

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
 Data File : VW018322.D
 Acq On : 12 Mar 2021 17:38
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:40:21 PM

Quant Time: Mar 13 04:32:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 04:29:58 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.946	168	145458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	255026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	225164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	107132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	9828	7.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	15.64%	
35) Dibromofluoromethane	7.885	113	8975	5.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.10%	
50) Toluene-d8	10.323	98	32887	5.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.78%	
62) 4-Bromofluorobenzene	12.615	95	11792	5.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.56%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	6027	5.75	ug/l	92
3) Chloromethane	2.215	50	5451	5.87	ug/l	96
4) Vinyl Chloride	2.367	62	8126	5.97	ug/l	99
5) Bromomethane	2.776	94	6920	7.17	ug/l	92
6) Chloroethane	2.934	64	5106	6.44	ug/l #	87
7) Trichlorofluoromethane	3.263	101	6919	6.80	ug/l	92
8) Diethyl Ether	3.684	74	3964	5.99	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.074	101	8703	6.40	ug/l	96
10) Methyl Iodide	4.275	142	11812	5.60	ug/l	99
11) Tert butyl alcohol	5.172	59	1673	28.96	ug/l #	72
12) 1,1-Dichloroethene	4.044	96	8098	5.89	ug/l	93
13) Acrolein	3.891	56	2309	27.47	ug/l	99
14) Allyl chloride	4.666	41	9225	5.52	ug/l	95
15) Acrylonitrile	5.367	53	7180	28.15	ug/l	99
16) Acetone	4.123	43	6130	31.47	ug/l	94
17) Carbon Disulfide	4.385	76	22154	5.88	ug/l	99
18) Methyl Acetate	4.672	43	3121	5.92	ug/l	92
19) Methyl tert-butyl Ether	5.434	73	10678	7.22	ug/l #	91
20) Methylene Chloride	4.922	84	19070	11.96	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	9628	6.26	ug/l	98
22) Diisopropyl ether	6.318	45	19592	5.84	ug/l	93
23) Vinyl Acetate	6.257	43	54874	27.44	ug/l	100
24) 1,1-Dichloroethane	6.226	63	15209	6.31	ug/l	97
25) 2-Butanone	7.177	43	8016	26.98	ug/l	91
26) 2,2-Dichloropropane	7.177	77	9657	7.15	ug/l	96
27) cis-1,2-Dichloroethene	7.165	96	10485	6.29	ug/l	97
28) Bromochloromethane	7.513	49	5935	6.46	ug/l	100
29) Tetrahydrofuran	7.537	42	5085	26.05	ug/l	96
30) Chloroform	7.677	83	17845	6.89	ug/l	96
31) Cyclohexane	7.952	56	15803	7.02	ug/l #	79
32) 1,1,1-Trichloroethane	7.872	97	14822	7.02	ug/l	98
36) 1,1-Dichloropropene	8.086	75	13503	5.47	ug/l	98
37) Ethyl Acetate	7.257	43	3773	4.49	ug/l	96
38) Carbon Tetrachloride	8.067	117	14158	5.69	ug/l #	91
39) Methylcyclohexane	9.336	83	15681	5.00	ug/l	91
40) Benzene	8.324	78	36666	5.35	ug/l	95

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Quant Time: Mar 13 04:32:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.494	41	2520	5.17	ug/l #	84
42) 1,2-Dichloroethane	8.397	62	12363	6.58	ug/l	99
43) Isopropyl Acetate	8.427	43	7262	4.65	ug/l #	57
44) Trichloroethene	9.092	130	10414	5.03	ug/l	98
45) 1,2-Dichloropropane	9.372	63	8283	5.23	ug/l	96
46) Dibromomethane	9.457	93	5091	5.70	ug/l	95
47) Bromodichloromethane	9.646	83	12964	5.69	ug/l	100
48) Methyl methacrylate	9.439	41	3402	4.31	ug/l	96
49) 1,4-Dioxane	9.445	88	955	82.11	ug/l	89
51) 4-Methyl-2-Pentanone	10.213	43	18338	23.05	ug/l	99
52) Toluene	10.390	92	23581	5.21	ug/l	98
53) t-1,3-Dichloropropene	10.610	75	10327	4.80	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	12863	4.94	ug/l	97
55) 1,1,2-Trichloroethane	10.787	97	6791	5.31	ug/l	96
56) Ethyl methacrylate	10.652	69	6722	4.62	ug/l	97
57) 1,3-Dichloropropane	10.933	76	11171	5.19	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.927	63	17300	22.96	ug/l	98
59) 2-Hexanone	10.969	43	12108	22.55	ug/l	96
60) Dibromochloromethane	11.128	129	7781	4.82	ug/l	99
61) 1,2-Dibromoethane	11.232	107	6553	5.17	ug/l	98
64) Tetrachloroethene	10.866	164	8125	4.83	ug/l	92
65) Chlorobenzene	11.658	112	26029	5.37	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.731	131	8746	5.13	ug/l	99
67) Ethyl Benzene	11.731	91	46782	5.52	ug/l	95
68) m/p-Xylenes	11.841	106	34273	10.43	ug/l	98
69) o-Xylene	12.164	106	15652	5.13	ug/l	99
70) Styrene	12.183	104	26144	5.11	ug/l	99
71) Bromoform	12.347	173	3665	4.07	ug/l #	100
73) Isopropylbenzene	12.463	105	43722	5.54	ug/l	99
74) N-amyl acetate	12.274	43	6069	4.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	7061	5.58	ug/l	96
76) 1,2,3-Trichloropropane	12.768	75	4865m	5.06	ug/l	
77) Bromobenzene	12.750	156	9322	4.96	ug/l	95
78) n-propylbenzene	12.804	91	53106	5.81	ug/l	99
79) 2-Chlorotoluene	12.890	91	31211	5.95	ug/l	95
80) 1,3,5-Trimethylbenzene	12.939	105	38215	5.71	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	1614	4.31	ug/l	88
82) 4-Chlorotoluene	12.987	91	33283	6.02	ug/l	99
83) tert-Butylbenzene	13.207	119	32422	5.55	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	38788	5.80	ug/l	100
85) sec-Butylbenzene	13.384	105	44696	5.64	ug/l	99
86) p-Isopropyltoluene	13.493	119	41376	5.54	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	19756	5.36	ug/l	98
88) 1,4-Dichlorobenzene	13.573	146	19185	5.26	ug/l	89
89) n-Butylbenzene	13.823	91	40293	5.92	ug/l	99
90) Hexachloroethane	14.091	117	7029	5.47	ug/l	97
91) 1,2-Dichlorobenzene	13.865	146	15768	4.89	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1163	5.78	ug/l	93
93) 1,2,4-Trichlorobenzene	15.127	180	11335	4.65	ug/l	97
94) Hexachlorobutadiene	15.231	225	5974	3.94	ug/l	85
95) Naphthalene	15.365	128	20043	4.90	ug/l	98
96) 1,2,3-Trichlorobenzene	15.548	180	8989	4.32	ug/l	90

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
3/15/2021 12:40:21 PM

Abundance

TIC: VW018322.D\data.ms

Time-->

Chlorobenzene-d5, I

1,4-Difluorobenzene, I

1,2-Dichlorobenzene, T

1,2,3-Trichlorobenzene, T

1,4-Dichlorobenzene, T

1,2-Dibromo-3-Chloropropane, T

Hexachloroethane, T

1,2-Dichlorobenzene, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,2,5-Trichlorobenzene, T

1,2,6-Trichlorobenzene, T

1,2,3,4-Tetrachlorobenzene, T

1,2,3,5-Tetrachlorobenzene, T

1,2,3,6-Tetrachlorobenzene, T

1,2,4,5-Tetrachlorobenzene, T

1,2,3,4,5-Pentachlorobenzene, T

1,2,3,4,6-Pentachlorobenzene, T

1,2,3,5,6-Pentachlorobenzene, T

1,2,4,5,6-Pentachlorobenzene, T

1,2,3,4,5,6-Hexachlorobenzene, T

1,2,3,4,5,6,7-Heptachlorobenzene, T

1,2,3,4,5,6,7,8-Octachlorobenzene, T

1,2,3,4,5,6,7,8,9-Nonachlorobenzene, T

1,2,3,4,5,6,7,8,9,10-Decachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11-Undecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12-Dodecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13-Tridecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14-Tetradecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15-Pentadecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16-Hexadecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17-Heptadecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-Octadecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19-Nonadecachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20-Eicacosachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21-Henicosachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22-Bicacosachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23-Tricacosachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24-Tetracosachlorobenzene, T

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1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26-Hexacosachlorobenzene, T

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1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30-Triacontachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31-Triacontachlorobenzene, T

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1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39-Triacontachlorobenzene, T

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40-Triacontachlorobenzene, T

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1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44-Triacontachlorobenzene, T

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1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46-Triacontachlorobenzene, T

1,2,3,4,5,6,7,