

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052421\
 Data File : VW019061.D
 Acq On : 24 May 2021 11:36
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:58:28 PM

Quant Time: May 24 13:15:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W052421S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 24 13:14:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	402514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	659781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	587096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	282319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	26487	6.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.58%	
35) Dibromofluoromethane	7.885	113	23328	6.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.40%	
50) Toluene-d8	10.323	98	92910	6.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.50%	
62) 4-Bromofluorobenzene	12.621	95	32219	6.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.04%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	12712	4.71	ug/l	96
3) Chloromethane	2.215	50	16651	5.60	ug/l	97
4) Vinyl Chloride	2.361	62	24024	5.39	ug/l	100
5) Bromomethane	2.782	94	21318	5.73	ug/l	94
6) Chloroethane	2.922	64	16450	5.39	ug/l	94
7) Trichlorofluoromethane	3.257	101	13431	5.42	ug/l	97
8) Diethyl Ether	3.690	74	11262	5.28	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.074	101	21750	5.47	ug/l	99
10) Methyl Iodide	4.282	142	30532	5.29	ug/l	99
11) Tert butyl alcohol	5.196	59	6466	26.53	ug/l #	80
12) 1,1-Dichloroethene	4.044	96	22246	5.50	ug/l	93
13) Acrolein	3.904	56	8464	30.99	ug/l	97
14) Allyl chloride	4.678	41	30271	5.71	ug/l	98
15) Acrylonitrile	5.373	53	20467	25.57	ug/l	97
16) Acetone	4.141	43	22288	33.32	ug/l	98
17) Carbon Disulfide	4.385	76	59829	5.43	ug/l	97
18) Methyl Acetate	4.678	43	12541	6.47	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	27992	5.50	ug/l	96
20) Methylene Chloride	4.922	84	40647	7.04	ug/l	94
21) trans-1,2-Dichloroethene	5.422	96	25165	5.45	ug/l	96
22) Diisopropyl ether	6.318	45	58267	5.42	ug/l	99
23) Vinyl Acetate	6.263	43	174209	24.13	ug/l	99
24) 1,1-Dichloroethane	6.220	63	46168	5.57	ug/l	97
25) 2-Butanone	7.177	43	28808	26.71	ug/l	98
26) 2,2-Dichloropropane	7.165	77	27450	6.08	ug/l	95
27) cis-1,2-Dichloroethene	7.171	96	27698	5.41	ug/l	96
28) Bromochloromethane	7.519	49	18304	5.50	ug/l	95
29) Tetrahydrofuran	7.537	42	16095	25.59	ug/l	98
30) Chloroform	7.677	83	45830	5.45	ug/l	96
31) Cyclohexane	7.952	56	44405	6.40	ug/l #	78
32) 1,1,1-Trichloroethane	7.878	97	34757	5.53	ug/l	98
36) 1,1-Dichloropropene	8.086	75	37786	5.66	ug/l	97
37) Ethyl Acetate	7.263	43	13827	5.35	ug/l	97
38) Carbon Tetrachloride	8.074	117	32281	5.50	ug/l	98
39) Methylcyclohexane	9.335	83	41000	5.57	ug/l	98
40) Benzene	8.323	78	103961	5.60	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	7619	5.30	ug/l	91
42) 1,2-Dichloroethane	8.403	62	30734	5.58	ug/l	99
43) Isopropyl Acetate	8.427	43	24700	5.11	ug/l	99
44) Trichloroethene	9.092	130	26702	5.57	ug/l	99
45) 1,2-Dichloropropane	9.372	63	25394	5.64	ug/l	95
46) Dibromomethane	9.457	93	12586	5.16	ug/l	97
47) Bromodichloromethane	9.646	83	31695	5.22	ug/l	98
48) Methyl methacrylate	9.439	41	12055	5.43	ug/l	92
49) 1,4-Dioxane	9.464	88	2747	96.63	ug/l #	78
51) 4-Methyl-2-Pentanone	10.213	43	63199	25.29	ug/l	98
52) Toluene	10.390	92	63262	5.38	ug/l	97
53) t-1,3-Dichloropropene	10.610	75	29985	5.00	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	37189	5.21	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	18704	5.54	ug/l	94
56) Ethyl methacrylate	10.646	69	20123	4.73	ug/l	97
57) 1,3-Dichloropropane	10.933	76	32607	5.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	53585	24.57	ug/l	99
59) 2-Hexanone	10.969	43	40300	24.17	ug/l	96
60) Dibromochloromethane	11.128	129	18500	4.92	ug/l	99
61) 1,2-Dibromoethane	11.238	107	16668	5.14	ug/l	95
64) Tetrachloroethene	10.866	164	22059	5.71	ug/l	90
65) Chlorobenzene	11.658	112	67634	5.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	21946	5.31	ug/l	99
67) Ethyl Benzene	11.731	91	126299	5.64	ug/l	100
68) m/p-Xylenes	11.841	106	89289	10.65	ug/l	97
69) o-Xylene	12.170	106	41992	5.37	ug/l	99
70) Styrene	12.183	104	68085	5.11	ug/l	99
71) Bromoform	12.353	173	9826	4.78	ug/l #	100
73) Isopropylbenzene	12.463	105	115640	5.55	ug/l	100
74) N-amyl acetate	12.274	43	21502	4.97	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	20139	5.39	ug/l	93
76) 1,2,3-Trichloropropane	12.768	75	14165m	5.39	ug/l	
77) Bromobenzene	12.750	156	25101	5.48	ug/l	93
78) n-propylbenzene	12.804	91	146462	5.73	ug/l	98
79) 2-Chlorotoluene	12.890	91	82643	5.68	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	94697	5.33	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	5539	4.98	ug/l	95
82) 4-Chlorotoluene	12.987	91	85951	5.56	ug/l	99
83) tert-Butylbenzene	13.207	119	82329	5.49	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	96307	5.46	ug/l	99
85) sec-Butylbenzene	13.384	105	125798	5.66	ug/l	99
86) p-Isopropyltoluene	13.499	119	101016	5.25	ug/l	96
87) 1,3-Dichlorobenzene	13.499	146	53077	5.67	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	52067	5.60	ug/l	95
89) n-Butylbenzene	13.823	91	105283	5.56	ug/l	99
90) Hexachloroethane	14.091	117	16298	5.40	ug/l	94
91) 1,2-Dichlorobenzene	13.871	146	45298	5.45	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	3137	5.23	ug/l	91
93) 1,2,4-Trichlorobenzene	15.133	180	30793	5.50	ug/l	99
94) Hexachlorobutadiene	15.231	225	18142	5.65	ug/l	98
95) Naphthalene	15.365	128	51130	5.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	26140	5.41	ug/l	100

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

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