

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\
 Data File : VW016182.D
 Acq On : 14 Aug 2020 09:50
 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
 8/17/2020 5:46:23 PM

Quant Time: Aug 17 08:02:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 14 11:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	447906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13895	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
35) Dibromofluoromethane	7.90	113	14656	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
50) Toluene-d8	10.33	98	53367	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
62) 4-Bromofluorobenzene	12.62	95	19469	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	9625	6.817	ug/l	92
3) Chloromethane	2.21	50	10999	5.883	ug/l	92
4) Vinyl Chloride	2.37	62	14547	5.128	ug/l	94
5) Bromomethane	2.78	94	9225	4.337	ug/l	93
6) Chloroethane	2.93	64	8187	4.373	ug/l	92
7) Trichlorofluoromethane	3.26	101	11207	5.449	ug/l	95
8) Diethyl Ether	3.69	74	6897	5.294	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15048	6.099	ug/l	95
10) Methyl Iodide	4.27	142	21112	6.090	ug/l	96
11) Tert butyl alcohol	5.21	59	3980m	26.837	ug/l	
12) 1,1-Dichloroethene	4.04	96	15195	6.217	ug/l	93
13) Acrolein	3.90	56	5279	28.127	ug/l	96
14) Allyl chloride	4.68	41	18907	4.922	ug/l	98
15) Acrylonitrile	5.38	53	12411	24.502	ug/l	99
16) Acetone	4.14	43	12803	25.468	ug/l	97
17) Carbon Disulfide	4.38	76	43817	6.048	ug/l	99
18) Methyl Acetate	4.68	43	6624	5.780	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16713	4.691	ug/l	100
20) Methylene Chloride	4.92	84	26852	9.008	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	16487	5.870	ug/l	95
22) Diisopropyl ether	6.32	45	34374	4.472	ug/l #	93
23) Vinyl Acetate	6.27	43	91222	19.964	ug/l	98
24) 1,1-Dichloroethane	6.22	63	27422	5.565	ug/l	98
25) 2-Butanone	7.18	43	16759	24.670	ug/l	92
26) 2,2-Dichloropropane	7.18	77	19403	6.265	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	16613	5.568	ug/l	97
28) Bromochloromethane	7.51	49	9639	4.858	ug/l	99
29) Tetrahydrofuran	7.54	42	9220	22.353	ug/l	94
30) Chloroform	7.68	83	28780	5.699	ug/l	94
31) Cyclohexane	7.95	56	27100	5.828	ug/l #	81
32) 1,1,1-Trichloroethane	7.88	97	23443	5.536	ug/l	98
36) 1,1-Dichloropropene	8.09	75	21739	4.969	ug/l	99
37) Ethyl Acetate	7.27	43	7705	4.545	ug/l	95
38) Carbon Tetrachloride	8.07	117	22599	5.313	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24008	4.631	ug/l	98
40) Benzene	8.33	78	63977	5.313	ug/l	97
41) Methacrylonitrile	7.49	41	4103	4.268	ug/l	89
42) 1,2-Dichloroethane	8.40	62	16871	4.604	ug/l	98
43) Isopropyl Acetate	8.43	43	13338	4.076	ug/l	96
44) Trichloroethene	9.10	130	19385	6.040	ug/l	98
45) 1,2-Dichloropropane	9.37	63	14907	5.060	ug/l	99
46) Dibromomethane	9.46	93	7676	5.030	ug/l	96
47) Bromodichloromethane	9.65	83	19825	5.053	ug/l	98
48) Methyl methacrylate	9.45	41	5482	3.666	ug/l #	87
49) 1,4-Dioxane	9.48	88	1859	97.205	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	32254	20.117	ug/l	99
52) Toluene	10.39	92	39071	5.033	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	16274	4.335	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	21317	4.716	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11469	5.416	ug/l	96
56) Ethyl methacrylate	10.65	69	9938	3.818	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18754	5.009	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	24558	19.533	ug/l	98
59) 2-Hexanone	10.98	43	21153	19.718	ug/l	98
60) Dibromochloromethane	11.13	129	12630	5.121	ug/l	95
61) 1,2-Dibromoethane	11.24	107	10590	5.176	ug/l	99
64) Tetrachloroethene	10.87	164	14177	5.421	ug/l	93
65) Chlorobenzene	11.66	112	43492	5.395	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	14719	5.164	ug/l	97
67) Ethyl Benzene	11.73	91	73859	4.947	ug/l	97
68) m/p-Xylenes	11.84	106	56497	10.074	ug/l	97
69) o-Xylene	12.17	106	23989	4.694	ug/l	99
70) Styrene	12.18	104	40603	4.613	ug/l	98
71) Bromoform	12.35	173	6134	4.726	ug/l #	98
73) Isopropylbenzene	12.47	105	65479	4.922	ug/l	99
74) N-amyl acetate	12.27	43	11033	3.961	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	12429	5.582	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8728m	5.260	ug/l	
77) Bromobenzene	12.75	156	16193	5.441	ug/l	97
78) n-propylbenzene	12.80	91	81056	5.037	ug/l	98
79) 2-Chlorotoluene	12.90	91	49574	5.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	57846	5.091	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3205	4.865	ug/l	92
82) 4-Chlorotoluene	12.99	91	50713	5.276	ug/l	100
83) tert-Butylbenzene	13.21	119	45986	4.885	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	56143	4.949	ug/l	100
85) sec-Butylbenzene	13.38	105	69372	5.099	ug/l	97
86) p-Isopropyltoluene	13.50	119	61695	4.965	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	33445	5.596	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33173	5.681	ug/l	95
89) n-Butylbenzene	13.82	91	56357	4.779	ug/l	100
90) Hexachloroethane	14.10	117	12045	5.368	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	28298	5.497	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1748	4.932	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	13575	4.193	ug/l	91
94) Hexachlorobutadiene	15.24	225	9742	4.823	ug/l	98
95) Naphthalene	15.36	128	22178	3.988	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	12276	4.403	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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