

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064282.D
 Acq On : 19 Nov 2019 11:35
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:48 AM

Quant Time: Nov 20 04:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	598166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	728388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	243894	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.92	113	253498	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.34	98	953725	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	313948	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92139	18.573	ug/l	100
3) Chloromethane	2.21	50	109040	20.491	ug/l	97
4) Vinyl Chloride	2.35	62	130367	22.910	ug/l	99
5) Bromomethane	2.76	94	91388	25.433	ug/l	96
6) Chloroethane	2.92	64	86641	23.828	ug/l	99
7) Trichlorofluoromethane	3.27	101	224017	24.281	ug/l	98
8) Diethyl Ether	3.71	74	47925	18.892	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	103607	19.648	ug/l	99
10) Methyl Iodide	4.29	142	96319	17.383	ug/l	98
11) Tert butyl alcohol	5.25	59	30562	88.944	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	98832	19.663	ug/l	95
13) Acrolein	3.93	56	20288	69.794	ug/l	99
14) Allyl chloride	4.71	41	159642	17.964	ug/l	96
15) Acrylonitrile	5.43	53	103989	96.157	ug/l	100
16) Acetone	4.17	43	86070	73.851	ug/l #	88
17) Carbon Disulfide	4.39	76	285511	18.240	ug/l	99
18) Methyl Acetate	4.72	43	60892	18.707	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	219562	18.298	ug/l	98
20) Methylene Chloride	4.96	84	105598	17.937	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110882	19.471	ug/l	95
22) Diisopropyl ether	6.37	45	300283	18.211	ug/l	96
23) Vinyl Acetate	6.31	43	845146	91.950	ug/l	99
24) 1,1-Dichloroethane	6.26	63	181209	18.927	ug/l	100
25) 2-Butanone	7.23	43	128595	85.406	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175270	18.668	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121059	19.824	ug/l	95
28) Bromochloromethane	7.54	49	53324	15.998	ug/l	97
29) Tetrahydrofuran	7.57	42	83113	91.873	ug/l	97
30) Chloroform	7.71	83	204445	20.876	ug/l	97
31) Cyclohexane	7.99	56	178074	18.443	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	182985	19.514	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150349	19.218	ug/l	98
37) Ethyl Acetate	7.30	43	55056	16.693	ug/l	96
38) Carbon Tetrachloride	8.10	117	164546	19.656	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186676	18.857	ug/l	96
40) Benzene	8.35	78	414913	19.405	ug/l	97
41) Methacrylonitrile	7.53	41	36062	17.396	ug/l	93
42) 1,2-Dichloroethane	8.43	62	115988	18.062	ug/l	98
43) Isopropyl Acetate	8.46	43	120697	17.761	ug/l	98
44) Trichloroethene	9.11	130	126424	19.701	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100668	19.344	ug/l	98
46) Dibromomethane	9.47	93	52738	18.929	ug/l	95
47) Bromodichloromethane	9.67	83	145373	19.371	ug/l	97
48) Methyl methacrylate	9.46	41	55412	16.676	ug/l	92
49) 1,4-Dioxane	9.47	88	12241	365.828	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	288042	88.390	ug/l	98
52) Toluene	10.41	92	274360	19.514	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	137487	18.286	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164702	18.773	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73455	19.435	ug/l	97
56) Ethyl methacrylate	10.67	69	94393	17.853	ug/l	97
57) 1,3-Dichloropropane	10.95	76	127101	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209084	97.626	ug/l	98
59) 2-Hexanone	10.99	43	197935	85.374	ug/l	98
60) Dibromochloromethane	11.14	129	101671	19.278	ug/l	99
61) 1,2-Dibromoethane	11.25	107	73715	19.472	ug/l	99
64) Tetrachloroethene	10.88	164	111029	19.820	ug/l	96
65) Chlorobenzene	11.68	112	289031	19.514	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	109886	19.511	ug/l	99
67) Ethyl Benzene	11.75	91	519683	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	396756	38.635	ug/l	99
69) o-Xylene	12.18	106	185975	19.526	ug/l	97
70) Styrene	12.20	104	318355	19.149	ug/l	98
71) Bromoform	12.37	173	62537	19.511	ug/l #	99
73) Isopropylbenzene	12.48	105	513866	20.071	ug/l	100
74) N-amyl acetate	12.30	43	110357	18.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	75044	19.453	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	40233m	14.320	ug/l	
77) Bromobenzene	12.77	156	124668	20.044	ug/l	96
78) n-propylbenzene	12.83	91	589620	20.158	ug/l	100
79) 2-Chlorotoluene	12.91	91	321833	19.488	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	408214	19.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24332	17.203	ug/l	96
82) 4-Chlorotoluene	13.01	91	332109	19.281	ug/l	98
83) tert-Butylbenzene	13.23	119	358846	19.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	404990	19.500	ug/l	99
85) sec-Butylbenzene	13.41	105	486521	19.528	ug/l	100
86) p-Isopropyltoluene	13.53	119	460128	19.426	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	227882	19.737	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	220876	19.601	ug/l	99
89) n-Butylbenzene	13.86	91	415009	19.394	ug/l	99
90) Hexachloroethane	14.12	117	86203	19.693	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	193698	19.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12372	17.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145910	19.355	ug/l	97
94) Hexachlorobutadiene	15.28	225	96048	19.726	ug/l	98
95) Naphthalene	15.41	128	238583	19.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	126083	19.676	ug/l	98

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

