

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065426.D
 Acq On : 05 Mar 2020 12:51
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:27 AM

Quant Time: Mar 06 03:58:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	503117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	733293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	667755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216171	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	225007	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	871926	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.64	95	276946	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94220	21.790	ug/l	100
3) Chloromethane	2.21	50	109607	20.996	ug/l	99
4) Vinyl Chloride	2.35	62	105268	20.444	ug/l	99
5) Bromomethane	2.76	94	64129	19.288	ug/l	99
6) Chloroethane	2.92	64	62975	19.969	ug/l	98
7) Trichlorofluoromethane	3.27	101	151394	19.954	ug/l	100
8) Diethyl Ether	3.71	74	48585	21.533	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99675	20.398	ug/l	98
10) Methyl Iodide	4.30	142	98987	19.499	ug/l	97
11) Tert butyl alcohol	5.24	59	22930	92.628	ug/l	96
12) 1,1-Dichloroethene	4.06	96	92910	19.857	ug/l	95
13) Acrolein	3.92	56	41914	98.176	ug/l	98
14) Allyl chloride	4.71	41	142277	19.794	ug/l	99
15) Acrylonitrile	5.43	53	103211	105.149	ug/l	97
16) Acetone	4.17	43	92729	106.241	ug/l	96
17) Carbon Disulfide	4.40	76	310078	19.900	ug/l	98
18) Methyl Acetate	4.72	43	47273	21.352	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	190936	21.220	ug/l	98
20) Methylene Chloride	4.96	84	124153	24.426	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	102234	19.641	ug/l	100
22) Diisopropyl ether	6.37	45	285349	21.356	ug/l	98
23) Vinyl Acetate	6.31	43	786301	105.983	ug/l	100
24) 1,1-Dichloroethane	6.26	63	172719	20.153	ug/l	97
25) 2-Butanone	7.23	43	124563	104.579	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146355	19.541	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	106447	20.008	ug/l	98
28) Bromochloromethane	7.55	49	73205	21.349	ug/l	99
29) Tetrahydrofuran	7.57	42	82304	108.203	ug/l	99
30) Chloroform	7.71	83	176029	20.549	ug/l	95
31) Cyclohexane	7.99	56	167128	19.502	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	157251	19.864	ug/l	98
36) 1,1-Dichloropropene	8.11	75	139285	19.816	ug/l	97
37) Ethyl Acetate	7.30	43	56790	20.903	ug/l	97
38) Carbon Tetrachloride	8.10	117	146912	20.155	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163931	19.310	ug/l	93
40) Benzene	8.36	78	400687	20.388	ug/l	100
41) Methacrylonitrile	7.53	41	31137	21.671	ug/l	86
42) 1,2-Dichloroethane	8.43	62	108266	21.097	ug/l	100
43) Isopropyl Acetate	8.46	43	106526	21.235	ug/l	99
44) Trichloroethene	9.11	130	113271	20.409	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100417	21.093	ug/l	94
46) Dibromomethane	9.48	93	51558	20.879	ug/l	96
47) Bromodichloromethane	9.66	83	130992	20.391	ug/l	96
48) Methyl methacrylate	9.46	41	49069	20.795	ug/l	99
49) 1,4-Dioxane	9.46	88	11244	398.077	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	273157	108.207	ug/l	99
52) Toluene	10.41	92	258487	20.878	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125530	20.910	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	153362	21.105	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	73833	21.111	ug/l	95
56) Ethyl methacrylate	10.67	69	81861	20.762	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126627	21.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127731	104.929	ug/l	100
59) 2-Hexanone	10.99	43	190201	108.842	ug/l	98
60) Dibromochloromethane	11.14	129	96010	21.416	ug/l	100
61) 1,2-Dibromoethane	11.25	107	69628	20.872	ug/l	100
64) Tetrachloroethene	10.88	164	96201	20.105	ug/l	96
65) Chlorobenzene	11.67	112	267878	20.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	100393	20.860	ug/l	96
67) Ethyl Benzene	11.75	91	459046	20.105	ug/l	100
68) m/p-Xylenes	11.86	106	361037	41.009	ug/l	98
69) o-Xylene	12.18	106	157418	20.327	ug/l	99
70) Styrene	12.20	104	285042	20.914	ug/l	100
71) Bromoform	12.37	173	56152	20.772	ug/l #	98
73) Isopropylbenzene	12.48	105	425697	19.330	ug/l	99
74) N-amyl acetate	12.30	43	90839	20.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81687	21.102	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	52830m	19.996	ug/l	
77) Bromobenzene	12.77	156	111098	20.305	ug/l	98
78) n-propylbenzene	12.83	91	523466	20.033	ug/l	99
79) 2-Chlorotoluene	12.91	91	295730	20.081	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	366523	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25713	20.538	ug/l	98
82) 4-Chlorotoluene	13.01	91	310511	20.065	ug/l	99
83) tert-Butylbenzene	13.23	119	300180	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362279	20.300	ug/l	100
85) sec-Butylbenzene	13.41	105	430985	19.712	ug/l	100
86) p-Isopropyltoluene	13.53	119	394440	19.771	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208827	19.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205305	19.620	ug/l	98
89) n-Butylbenzene	13.86	91	354955	19.244	ug/l	100
90) Hexachloroethane	14.12	117	79886	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180126	20.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12294	20.853	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122371	20.169	ug/l	97
94) Hexachlorobutadiene	15.28	225	78177	19.610	ug/l	98
95) Naphthalene	15.41	128	190649	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	107527	20.509	ug/l	99

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

