

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065318.D
 Acq On : 26 Feb 2020 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:19 AM

Quant Time: Feb 27 08:06:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	500441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	658526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197546	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
35) Dibromofluoromethane	7.92	113	211178	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.34	98	830789	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.64	95	266941	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205318	48.916	ug/l	100
3) Chloromethane	2.21	50	237224	44.403	ug/l	99
4) Vinyl Chloride	2.35	62	246574	45.388	ug/l	97
5) Bromomethane	2.77	94	143150	43.581	ug/l	96
6) Chloroethane	2.93	64	149795	45.172	ug/l	98
7) Trichlorofluoromethane	3.27	101	364784	46.901	ug/l	97
8) Diethyl Ether	3.71	74	108259	46.112	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233366	47.512	ug/l	99
10) Methyl Iodide	4.30	142	247752	48.581	ug/l	100
11) Tert butyl alcohol	5.24	59	60538	225.029	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	219848	47.383	ug/l	98
13) Acrolein	3.93	56	80471	243.428	ug/l	100
14) Allyl chloride	4.71	41	341988	45.389	ug/l	99
15) Acrylonitrile	5.43	53	232339	223.524	ug/l	99
16) Acetone	4.17	43	272891	247.967	ug/l	98
17) Carbon Disulfide	4.40	76	707469	45.480	ug/l	98
18) Methyl Acetate	4.72	43	107269	43.339	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	446848	46.183	ug/l	95
20) Methylene Chloride	4.96	84	243007	49.561	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	250283	47.450	ug/l	99
22) Diisopropyl ether	6.37	45	690505	47.539	ug/l	99
23) Vinyl Acetate	6.31	43	1911722	238.737	ug/l	100
24) 1,1-Dichloroethane	6.27	63	417669	46.359	ug/l	97
25) 2-Butanone	7.22	43	318222	228.544	ug/l	99
26) 2,2-Dichloropropane	7.21	77	368602	47.155	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265602	47.538	ug/l	99
28) Bromochloromethane	7.55	49	154988	46.369	ug/l	100
29) Tetrahydrofuran	7.57	42	188971	231.630	ug/l	99
30) Chloroform	7.71	83	425585	46.887	ug/l	100
31) Cyclohexane	7.98	56	398791	45.051	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	383147	47.179	ug/l	99
36) 1,1-Dichloropropene	8.11	75	346110	49.572	ug/l	100
37) Ethyl Acetate	7.30	43	132416	45.367	ug/l	100
38) Carbon Tetrachloride	8.10	117	352184	49.551	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	426622	51.975	ug/l	99
40) Benzene	8.36	78	971492	49.297	ug/l	100
41) Methacrylonitrile	7.53	41	74262	44.065	ug/l	99
42) 1,2-Dichloroethane	8.43	62	253720	46.831	ug/l	100
43) Isopropyl Acetate	8.46	43	244607	46.085	ug/l	98
44) Trichloroethene	9.11	130	268638	49.176	ug/l	98
45) 1,2-Dichloropropane	9.39	63	242125	49.410	ug/l	99
46) Dibromomethane	9.48	93	122546	48.604	ug/l	99
47) Bromodichloromethane	9.67	83	322762	48.575	ug/l	99
48) Methyl methacrylate	9.46	41	116174	47.353	ug/l	95
49) 1,4-Dioxane	9.47	88	28209	953.934	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	645221	239.340	ug/l	99
52) Toluene	10.41	92	624146	51.167	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	301059	48.882	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	368372	49.531	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	172490	48.606	ug/l	96
56) Ethyl methacrylate	10.67	69	207265	50.601	ug/l	99
57) 1,3-Dichloropropane	10.95	76	293413	48.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	290108	224.651	ug/l	98
59) 2-Hexanone	10.99	43	499142	258.652	ug/l	97
60) Dibromochloromethane	11.14	129	224720	49.474	ug/l	99
61) 1,2-Dibromoethane	11.25	107	164522	48.965	ug/l	99
64) Tetrachloroethene	10.88	164	229182	49.070	ug/l	97
65) Chlorobenzene	11.68	112	649090	49.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	239177	48.500	ug/l	100
67) Ethyl Benzene	11.75	91	1162059	50.209	ug/l	100
68) m/p-Xylenes	11.86	106	906776	102.403	ug/l	99
69) o-Xylene	12.18	106	400050	50.994	ug/l	99
70) Styrene	12.20	104	718227	51.565	ug/l	99
71) Bromoform	12.37	173	129683	47.390	ug/l #	100
73) Isopropylbenzene	12.48	105	1115881	51.564	ug/l	99
74) N-amyl acetate	12.30	43	223997	46.582	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	182655	46.767	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122333m	43.987	ug/l	
77) Bromobenzene	12.77	156	266022	49.504	ug/l	99
78) n-propylbenzene	12.83	91	1335585	51.357	ug/l	99
79) 2-Chlorotoluene	12.91	91	732361	50.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	912872	51.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58769	45.626	ug/l	95
82) 4-Chlorotoluene	13.01	91	767538	49.625	ug/l	99
83) tert-Butylbenzene	13.23	119	768502	51.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	907213	50.852	ug/l	100
85) sec-Butylbenzene	13.41	105	1103044	51.243	ug/l	100
86) p-Isopropyltoluene	13.53	119	1018353	51.732	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	505973	48.705	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	495478	48.325	ug/l	99
89) n-Butylbenzene	13.85	91	941894	51.925	ug/l	100
90) Hexachloroethane	14.12	117	196676	49.206	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	435071	48.775	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26376	43.823	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	297484	50.985	ug/l	99
94) Hexachlorobutadiene	15.28	225	191241	51.095	ug/l	100
95) Naphthalene	15.41	128	482736	50.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	256931	50.420	ug/l	99

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

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