

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061671.D
 Acq On : 9 Apr 2019 13:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:59:59 AM

Quant Time: Apr 10 01:06:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	619301	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	975435	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	809409	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	388266	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	233228	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	6.94	113	346685	51.30	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.43	98	772529	45.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	13.57	95	350648	61.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	123.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	322924	48.333	ug/l	100
3) Chloromethane	1.76	50	245226	45.420	ug/l	94
4) Vinyl Chloride	1.85	62	251280	49.807	ug/l	100
5) Bromomethane	2.16	94	56989	48.803	ug/l	96
6) Chloroethane	2.28	64	88938	56.283	ug/l	99
7) Trichlorofluoromethane	2.54	101	362444	47.581	ug/l	99
8) Diethyl Ether	2.89	74	115241	53.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	381475	50.938	ug/l	99
10) Methyl Iodide	3.32	142	538234	48.326	ug/l	98
11) Tert butyl alcohol	4.08	59	87975	279.637	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	319241	49.448	ug/l	98
13) Acrolein	3.05	56	101643	264.992	ug/l	97
14) Allyl chloride	3.64	41	430529	48.893	ug/l	97
15) Acrylonitrile	4.22	53	270878	250.125	ug/l	95
16) Acetone	3.23	43	403541	287.571	ug/l	98
17) Carbon Disulfide	3.39	76	978896	46.663	ug/l	99
18) Methyl Acetate	3.66	43	133687	50.636	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	598684	53.555	ug/l	99
20) Methylene Chloride	3.83	84	350023	43.957	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	354546	50.562	ug/l	97
22) Diisopropyl ether	5.14	45	1003162	54.337	ug/l	98
23) Vinyl Acetate	5.08	43	2660744	261.192	ug/l	99
24) 1,1-Dichloroethane	5.01	63	584970	51.707	ug/l	100
25) 2-Butanone	6.09	43	457898	283.049	ug/l	97
26) 2,2-Dichloropropane	6.05	77	511779	55.556	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	404523	54.076	ug/l	98
28) Bromochloromethane	6.46	49	216092	51.779	ug/l	96
29) Tetrahydrofuran	6.48	42	205351	262.955	ug/l	98
30) Chloroform	6.69	83	635207	53.596	ug/l	100
31) Cyclohexane	6.98	56	461223	52.185	ug/l	100
32) 1,1,1-Trichloroethane	6.89	97	559680	53.889	ug/l	98
36) 1,1-Dichloropropene	7.17	75	434183	50.860	ug/l	97
37) Ethyl Acetate	6.21	43	198300	57.029	ug/l #	97
38) Carbon Tetrachloride	7.14	117	549079m	54.880	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	454333	51.838	ug/l	98
40) Benzene	7.48	78	1150215	55.849	ug/l	99
41) Methacrylonitrile	6.47	41	236548	58.276	ug/l #	93
42) 1,2-Dichloroethane	7.60	62	370303	57.173	ug/l	99
43) Isopropyl Acetate	9.26	43	276179	54.728	ug/l #	97
44) Trichloroethene	8.57	130	423531	53.642	ug/l	95
45) 1,2-Dichloropropane	8.96	63	259212	50.751	ug/l	97
46) Dibromomethane	9.09	93	208115	57.013	ug/l	96
47) Bromodichloromethane	9.40	83	466150	58.145	ug/l	98
48) Methyl methacrylate	9.14	41	162393	55.826	ug/l	95
49) 1,4-Dioxane	9.10	88	37039	1153.560	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	840578	281.655	ug/l	97
52) Toluene	10.53	92	665439	51.743	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	431808	61.445	ug/l	95
54) cis-1,3-Dichloropropene	10.06	75	512888	59.204	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	237694	54.801	ug/l	95
56) Ethyl methacrylate	11.06	69	251986	55.070	ug/l	98
57) 1,3-Dichloropropane	11.43	76	365197	57.493	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	620884	287.577	ug/l	100
59) 2-Hexanone	11.55	43	698065	301.390	ug/l	98
60) Dibromochloromethane	11.71	129	407781	59.506	ug/l	100
61) 1,2-Dibromoethane	11.83	107	285154	56.216	ug/l	97
64) Tetrachloroethene	11.28	164	301027	47.912	ug/l	99
65) Chlorobenzene	12.42	112	847409	52.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	344361	55.752	ug/l	98
67) Ethyl Benzene	12.54	91	1336870	54.693	ug/l	99
68) m/p-Xylenes	12.68	106	924158	98.071	ug/l	95
69) o-Xylene	13.07	106	488635	53.717	ug/l	96
70) Styrene	13.09	104	782959	50.400	ug/l	98
71) Bromoform	13.25	173	216320	56.445	ug/l #	97
73) Isopropylbenzene	13.42	105	1291066	49.905	ug/l	99
74) N-amyl acetate	13.27	43	344805	49.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.72	83	274452	51.307	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	276706	52.383	ug/l	97
77) Bromobenzene	13.69	156	361365	48.122	ug/l	82
78) n-propylbenzene	13.79	91	1653986	53.447	ug/l	99
79) 2-Chlorotoluene	13.85	91	861839	48.700	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1065617	51.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	86364	53.878	ug/l	96
82) 4-Chlorotoluene	13.96	91	986951	50.895	ug/l	99
83) tert-Butylbenzene	14.20	119	1227787	49.592	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1069251	51.595	ug/l	100
85) sec-Butylbenzene	14.38	105	1316210	49.206	ug/l	100
86) p-Isopropyltoluene	14.50	119	1103997	47.577	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	659428	51.026	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	665850	51.063	ug/l	99
89) n-Butylbenzene	14.81	91	1020832	50.613	ug/l	99
90) Hexachloroethane	15.02	117	340968	54.154	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	535311	50.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37579	58.216	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	315248	58.094	ug/l	99
94) Hexachlorobutadiene	16.05	225	222950	53.208	ug/l	98
95) Naphthalene	16.14	128	493774	57.507	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	189590	70.004	ug/l	99

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

