

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063452.D
 Acq On : 8 Aug 2019 21:56
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 03:16:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	859446	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1234120	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1050677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	558699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	511520	53.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	6.93	113	594963	56.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.94%	
50) Toluene-d8	10.42	98	1286890	54.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	13.56	95	556304	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	462232	43.999	ug/l	98
3) Chloromethane	1.75	50	368329	45.126	ug/l	93
4) Vinyl Chloride	1.85	62	376876	44.602	ug/l	96
5) Bromomethane	2.15	94	187118	43.908	ug/l	97
6) Chloroethane	2.27	64	210825	54.041	ug/l	94
7) Trichlorofluoromethane	2.54	101	841141	51.313	ug/l	100
8) Diethyl Ether	2.88	74	116595	50.822	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	489586	53.917	ug/l	99
10) Methyl Iodide	3.30	142	652629	49.752	ug/l	95
11) Tert butyl alcohol	4.09	59	109084	260.653	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	359364	53.909	ug/l	84
13) Acrolein	3.04	56	84192	209.033	ug/l	97
14) Allyl chloride	3.62	41	551198	51.904	ug/l	98
15) Acrylonitrile	4.20	53	304130	280.304	ug/l	99
16) Acetone	3.24	43	448415	241.335	ug/l	99
17) Carbon Disulfide	3.37	76	1000899	44.858	ug/l	100
18) Methyl Acetate	3.64	43	201302	56.403	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	803587	53.366	ug/l	98
20) Methylene Chloride	3.82	84	391800	52.167	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	401633	53.696	ug/l	93
22) Diisopropyl ether	5.14	45	1151023	54.251	ug/l	99
23) Vinyl Acetate	5.07	43	3567565	273.547	ug/l	100
24) 1,1-Dichloroethane	4.99	63	692183	51.076	ug/l	97
25) 2-Butanone	6.08	43	494334	265.098	ug/l	94
26) 2,2-Dichloropropane	6.03	77	692674	49.597	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	423323	52.788	ug/l	93
28) Bromochloromethane	6.44	49	295930	54.806	ug/l	94
29) Tetrahydrofuran	6.46	42	231793	262.551	ug/l	99
30) Chloroform	6.67	83	890491	52.947	ug/l	98
31) Cyclohexane	6.97	56	422294	49.713	ug/l	89
32) 1,1,1-Trichloroethane	6.88	97	836303	51.408	ug/l	98
36) 1,1-Dichloropropene	7.15	75	546511	48.523	ug/l	99
37) Ethyl Acetate	6.19	43	242402	47.906	ug/l	98
38) Carbon Tetrachloride	7.11	117	904213	53.327	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	438677	46.748	ug/l	93
40) Benzene	7.47	78	1186939	50.283	ug/l	98
41) Methacrylonitrile	6.45	41	316669	52.318	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	637737	50.978	ug/l	99
43) Isopropyl Acetate	9.25	43	347895	53.824	ug/l #	99
44) Trichloroethene	8.55	130	485246	50.731	ug/l	98
45) 1,2-Dichloropropane	8.95	63	301584	50.266	ug/l	99
46) Dibromomethane	9.07	93	262216	52.562	ug/l	89
47) Bromodichloromethane	9.39	83	671644	52.816	ug/l	96
48) Methyl methacrylate	9.13	41	234069	55.837	ug/l	90
49) 1,4-Dioxane	9.08	88	36249	1020.862	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	1202373	273.529	ug/l	100
52) Toluene	10.52	92	824417	52.512	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	538190	49.089	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	606110	52.603	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	282356	53.252	ug/l	97
56) Ethyl methacrylate	11.05	69	295317	50.863	ug/l	98
57) 1,3-Dichloropropane	11.42	76	426664	51.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	776131	256.896	ug/l	97
59) 2-Hexanone	11.54	43	864131	272.788	ug/l	98
60) Dibromochloromethane	11.69	129	533261	53.273	ug/l	95
61) 1,2-Dibromoethane	11.81	107	344267	52.618	ug/l	99
64) Tetrachloroethene	11.27	164	407694	48.707	ug/l	95
65) Chlorobenzene	12.41	112	1013991	50.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	480716	54.001	ug/l	95
67) Ethyl Benzene	12.53	91	1831153	53.338	ug/l	100
68) m/p-Xylenes	12.68	106	1337271	106.215	ug/l	98
69) o-Xylene	13.05	106	610944	52.842	ug/l	95
70) Styrene	13.08	104	1053544	51.383	ug/l	99
71) Bromoform	13.24	173	350848	54.196	ug/l #	97
73) Isopropylbenzene	13.40	105	1750361	49.917	ug/l	99
74) N-amyl acetate	13.27	43	491039	52.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	349489	58.674	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	360180	53.673	ug/l	94
77) Bromobenzene	13.68	156	547599	54.819	ug/l	82
78) n-propylbenzene	13.78	91	2125494	50.936	ug/l	98
79) 2-Chlorotoluene	13.85	91	1204442	49.813	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1603444	53.017	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	90284	48.451	ug/l	97
82) 4-Chlorotoluene	13.96	91	1568136	55.108	ug/l	100
83) tert-Butylbenzene	14.19	119	1746192	50.566	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1589701	50.817	ug/l	97
85) sec-Butylbenzene	14.37	105	1775463	48.799	ug/l	97
86) p-Isopropyltoluene	14.50	119	1741136	50.139	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	877295	49.593	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	907075	50.707	ug/l	99
89) n-Butylbenzene	14.80	91	1549936	51.678	ug/l	98
90) Hexachloroethane	15.01	117	446859	49.391	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	806735	52.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68179	56.194	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	578847	47.341	ug/l	97
94) Hexachlorobutadiene	16.04	225	449886	50.773	ug/l	98
95) Naphthalene	16.13	128	859429	49.730	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	499323	51.693	ug/l	93

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

