

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060434.D
 Acq On : 21 Nov 2018 10:57
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 13:59:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1478141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2028033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1595521	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	754704	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	464278	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	
35) Dibromofluoromethane	6.33	113	713946	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	9.46	98	2007404	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
62) 4-Bromofluorobenzene	12.43	95	706738	44.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	557572	47.90	ug/l	97
3) Chloromethane	1.78	50	599764	42.84	ug/l	98
4) Vinyl Chloride	1.88	62	520163	45.49	ug/l	99
5) Bromomethane	2.18	94	147198	54.26	ug/l	96
6) Chloroethane	2.29	64	176692	46.57	ug/l	99
7) Trichlorofluoromethane	2.54	101	667514	49.51	ug/l	96
8) Diethyl Ether	2.85	74	114504	46.91	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	428458	48.32	ug/l	98
10) Methyl Iodide	3.27	142	479067	41.60	ug/l	99
11) Tert butyl alcohol	3.99	59	110764	254.86	ug/l	96
12) 1,1-Dichloroethene	3.10	96	340366	47.19	ug/l	98
13) Acrolein	3.01	56	98207	191.24	ug/l	96
14) Allyl chloride	3.56	41	686726	49.76	ug/l	97
15) Acrylonitrile	4.11	53	589242	232.50	ug/l	98
16) Acetone	3.17	43	447028	243.50	ug/l	100
17) Carbon Disulfide	3.34	76	1026204	44.08	ug/l	99
18) Methyl Acetate	3.58	43	198489	50.71	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	998579	46.24	ug/l	99
20) Methylene Chloride	3.75	84	795600	48.85	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	785446	49.05	ug/l	99
22) Diisopropyl ether	4.88	45	2525059	48.98	ug/l	98
23) Vinyl Acetate	4.82	43	6069974	236.61	ug/l	98
24) 1,1-Dichloroethane	4.78	63	1326665	50.18	ug/l	100
25) 2-Butanone	5.64	43	892239	233.82	ug/l	100
26) 2,2-Dichloropropane	5.61	77	1087808	52.92	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	849525	50.92	ug/l	97
28) Bromochloromethane	5.94	49	606222	51.97	ug/l	95
29) Tetrahydrofuran	5.97	42	444436	220.91	ug/l	99
30) Chloroform	6.12	83	1347199	50.97	ug/l	100
31) Cyclohexane	6.38	56	1123589	44.46	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	1140369	51.22	ug/l	100
36) 1,1-Dichloropropene	6.54	75	1003159	50.07	ug/l	97
37) Ethyl Acetate	5.71	43	405628	44.00	ug/l	96
38) Carbon Tetrachloride	6.51	117	935756	50.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1102471	47.84	ug/l	100
40) Benzene	6.81	78	2561567	50.08	ug/l	99
41) Methacrylonitrile	5.96	41	486213	46.08	ug/l	97
42) 1,2-Dichloroethane	6.90	62	653613	48.83	ug/l	97
43) Isopropyl Acetate	8.35	43	555650	47.98	ug/l	98
44) Trichloroethene	7.75	130	819251	52.84	ug/l	99
45) 1,2-Dichloropropane	8.11	63	652535	50.59	ug/l	100
46) Dibromomethane	8.22	93	364042	48.19	ug/l	97
47) Bromodichloromethane	8.50	83	911397	51.20	ug/l	98
48) Methyl methacrylate	8.25	41	339878	48.31	ug/l	95
49) 1,4-Dioxane	8.23	88	60366	991.78	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	1743781	231.34	ug/l	100
52) Toluene	9.55	92	1669899	51.11	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	746979	49.66	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	978469	50.72	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	442502	46.73	ug/l	96
56) Ethyl methacrylate	10.03	69	426382	48.97	ug/l	96
57) 1,3-Dichloropropane	10.39	76	708016	49.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1206344	229.16	ug/l	97
59) 2-Hexanone	10.49	43	1293385	240.74	ug/l	99
60) Dibromochloromethane	10.64	129	587457	51.04	ug/l	99
61) 1,2-Dibromoethane	10.76	107	470821	49.63	ug/l	100
64) Tetrachloroethene	10.26	164	713345	50.08	ug/l	96
65) Chlorobenzene	11.31	112	1806816	52.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	555266	49.09	ug/l	98
67) Ethyl Benzene	11.43	91	2870282	48.54	ug/l	99
68) m/p-Xylenes	11.57	106	2115957	97.00	ug/l	99
69) o-Xylene	11.93	106	1032302	48.98	ug/l	97
70) Styrene	11.96	104	1711488	50.25	ug/l	98
71) Bromoform	12.12	173	383630	50.47	ug/l	98
73) Isopropylbenzene	12.28	105	2958250	53.80	ug/l	100
74) N-amyl acetate	12.13	43	714997	50.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	445904	49.59	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	450885	49.94	ug/l	100
77) Bromobenzene	12.54	156	743219	50.89	ug/l	96
78) n-propylbenzene	12.64	91	3635740	52.97	ug/l	99
79) 2-Chlorotoluene	12.71	91	1989866	52.94	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2186834	51.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	132559	51.57	ug/l	100
82) 4-Chlorotoluene	12.81	91	2164366	51.26	ug/l	97
83) tert-Butylbenzene	13.05	119	2539659	53.53	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	2330883	54.62	ug/l	99
85) sec-Butylbenzene	13.22	105	3107701	53.39	ug/l	99
86) p-Isopropyltoluene	13.34	119	2462067	52.53	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	1357877	52.26	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1276696	50.31	ug/l	94
89) n-Butylbenzene	13.65	91	2437570	54.26	ug/l	98
90) Hexachloroethane	13.86	117	642601	57.82	ug/l	87
91) 1,2-Dichlorobenzene	13.67	146	1055467	49.45	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	53394	49.19	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	886648	52.39	ug/l	98
94) Hexachlorobutadiene	14.89	225	653078	51.60	ug/l	99
95) Naphthalene	14.96	128	1019581	49.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	689121	50.82	ug/l	99

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

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