

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102618\
 Data File : VD060214.D
 Acq On : 26 Oct 2018 13:51
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:15:13 PM

Quant Time: Oct 26 23:52:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1477980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	1992535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1632634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	905171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536526	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	6.30	113	804802	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	9.44	98	2239162	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.43	95	844780	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	626703	45.077	ug/l	100
3) Chloromethane	1.75	50	586377	46.773	ug/l	100
4) Vinyl Chloride	1.84	62	489142	47.677	ug/l	99
5) Bromomethane	2.12	94	86833	67.405	ug/l	97
6) Chloroethane	2.24	64	156559	55.920	ug/l	98
7) Trichlorofluoromethane	2.49	101	616847	50.213	ug/l	99
8) Diethyl Ether	2.80	74	127899	50.631	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	401625	52.479	ug/l	99
10) Methyl Iodide	3.22	142	391418	48.229	ug/l	100
11) Tert butyl alcohol	3.95	59	178958	222.727	ug/l	97
12) 1,1-Dichloroethene	3.05	96	312102	51.766	ug/l	96
13) Acrolein	2.97	56	88305	178.283	ug/l	99
14) Allyl chloride	3.51	41	653707	52.205	ug/l	96
15) Acrylonitrile	4.06	53	796833	239.597	ug/l	98
16) Acetone	3.14	43	542469	266.848	ug/l	97
17) Carbon Disulfide	3.29	76	924428	45.595	ug/l	98
18) Methyl Acetate	3.53	43	243880	55.816	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1320410	49.811	ug/l	98
20) Methylene Chloride	3.69	84	790924	49.375	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	769152	49.396	ug/l	95
22) Diisopropyl ether	4.83	45	2930189	52.398	ug/l	96
23) Vinyl Acetate	4.78	43	7708513	245.230	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1335246	52.661	ug/l	100
25) 2-Butanone	5.60	43	1284714	252.964	ug/l	97
26) 2,2-Dichloropropane	5.56	77	1080670	56.222	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	849561	51.496	ug/l	93
28) Bromochloromethane	5.90	49	606350	49.211	ug/l	94
29) Tetrahydrofuran	5.93	42	670281	227.219	ug/l	98
30) Chloroform	6.08	83	1368448	53.355	ug/l	98
31) Cyclohexane	6.34	56	1156104	47.632	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1134884	54.009	ug/l	99
36) 1,1-Dichloropropene	6.50	75	991821	52.090	ug/l	99
37) Ethyl Acetate	5.67	43	604957	47.867	ug/l	100
38) Carbon Tetrachloride	6.48	117	926488	53.612	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1124988	52.001	ug/l	98
40) Benzene	6.78	78	2507961	50.348	ug/l	100
41) Methacrylonitrile	5.90	41	325304m	45.539	ug/l	
42) 1,2-Dichloroethane	6.87	62	755238	52.883	ug/l	100
43) Isopropyl Acetate	8.33	43	794595	47.789	ug/l #	100
44) Trichloroethene	7.72	130	801630	51.987	ug/l	96
45) 1,2-Dichloropropane	8.09	63	685738	52.575	ug/l	98
46) Dibromomethane	8.19	93	437163	51.770	ug/l	92
47) Bromodichloromethane	8.48	83	989405	54.990	ug/l	100
48) Methyl methacrylate	8.23	41	482165	50.909	ug/l	98
49) 1,4-Dioxane	8.21	88	94114	1009.944	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2653097	252.985	ug/l	98
52) Toluene	9.53	92	1673949	52.179	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	877854	53.921	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1096919	54.562	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	536555	51.160	ug/l	99
56) Ethyl methacrylate	10.01	69	593987	51.307	ug/l	96
57) 1,3-Dichloropropane	10.37	76	837676	52.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1604623	249.599	ug/l	100
59) 2-Hexanone	10.48	43	1915392	253.993	ug/l	100
60) Dibromochloromethane	10.62	129	687404	53.420	ug/l	98
61) 1,2-Dibromoethane	10.75	107	562939	50.517	ug/l	100
64) Tetrachloroethene	10.24	164	738116	51.618	ug/l	97
65) Chlorobenzene	11.30	112	1819957	51.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	626414	53.164	ug/l	97
67) Ethyl Benzene	11.42	91	2990028	52.251	ug/l	99
68) m/p-Xylenes	11.56	106	2276244	106.460	ug/l	100
69) o-Xylene	11.92	106	1114499	52.698	ug/l	93
70) Styrene	11.95	104	1844505	52.153	ug/l	99
71) Bromoform	12.11	173	495428	51.926	ug/l	98
73) Isopropylbenzene	12.27	105	3038945	50.890	ug/l	98
74) N-amyl acetate	12.13	43	1012798	46.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	611482	46.904	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	621416	47.671	ug/l	98
77) Bromobenzene	12.53	156	858014	49.445	ug/l	96
78) n-propylbenzene	12.63	91	3799111	51.236	ug/l	98
79) 2-Chlorotoluene	12.70	91	2120513	51.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2341685	50.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186362	50.879	ug/l	96
82) 4-Chlorotoluene	12.81	91	2378455	51.098	ug/l	97
83) tert-Butylbenzene	13.05	119	2639427	49.766	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2421622	49.715	ug/l	95
85) sec-Butylbenzene	13.21	105	3140240	50.077	ug/l	96
86) p-Isopropyltoluene	13.34	119	2667790	51.868	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1550329	51.279	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1516541	49.939	ug/l	98
89) n-Butylbenzene	13.65	91	2635308	52.510	ug/l	99
90) Hexachloroethane	13.85	117	662576	55.662	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	1282779	50.461	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	85459	49.095	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1102927	51.115	ug/l	97
94) Hexachlorobutadiene	14.88	225	753682	52.548	ug/l	100
95) Naphthalene	14.96	128	1510804	47.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	926832	49.378	ug/l	98

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

