

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058129.D
 Acq On : 14 Jun 2018 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/15/2018 10:29:23 AM

Quant Time: Jun 15 06:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	884608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1109323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	905890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	466004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	397756	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	5.56	113	411753	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.71	98	949456	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
62) 4-Bromofluorobenzene	11.93	95	410594	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	520903	43.874	ug/l	98
3) Chloromethane	1.49	50	243848	41.703	ug/l	98
4) Vinyl Chloride	1.56	62	257637	45.519	ug/l	97
5) Bromomethane	1.80	94	114881	51.788	ug/l	94
6) Chloroethane	1.89	64	118988	53.284	ug/l	100
7) Trichlorofluoromethane	2.10	101	404391	52.268	ug/l	99
8) Diethyl Ether	2.35	74	72169	50.212	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	244473	52.975	ug/l	94
10) Methyl Iodide	2.70	142	294336	49.429	ug/l	94
11) Tert butyl alcohol	3.27	59	66317m	279.918	ug/l	
12) 1,1-Dichloroethene	2.55	96	177190	49.943	ug/l	92
13) Acrolein	2.47	56	81383	239.859	ug/l	88
14) Allyl chloride	2.93	41	387691	47.370	ug/l	95
15) Acrylonitrile	3.37	53	323625	233.497	ug/l	95
16) Acetone	2.62	43	363772	285.498	ug/l	99
17) Carbon Disulfide	2.77	76	592018	46.062	ug/l	98
18) Methyl Acetate	2.95	43	116409	47.228	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	823194	52.731	ug/l	99
20) Methylene Chloride	3.07	84	175285	50.758	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	399016	50.494	ug/l	90
22) Diisopropyl ether	4.08	45	1527871	47.123	ug/l	96
23) Vinyl Acetate	4.03	43	4114871	245.627	ug/l	99
24) 1,1-Dichloroethane	3.98	63	867224	48.667	ug/l	100
25) 2-Butanone	4.85	43	686182	236.966	ug/l	94
26) 2,2-Dichloropropane	4.81	77	756949	51.566	ug/l	95
27) cis-1,2-Dichloroethene	4.82	96	461307	49.221	ug/l	94
28) Bromochloromethane	5.15	49	395300	51.254	ug/l	96
29) Tetrahydrofuran	5.19	42	350056	230.612	ug/l	96
30) Chloroform	5.33	83	903460	50.377	ug/l	99
31) Cyclohexane	5.60	56	662525	43.082	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	741277	49.366	ug/l	97
36) 1,1-Dichloropropene	5.75	75	638633	52.254	ug/l	98
37) Ethyl Acetate	4.93	43	339282	50.876	ug/l	98
38) Carbon Tetrachloride	5.73	117	646210	53.649	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	637519	52.620	ug/l	92
40) Benzene	6.02	78	1490441	52.203	ug/l	99
41) Methacrylonitrile	5.13	41	169060	55.443	ug/l	93
42) 1,2-Dichloroethane	6.13	62	605690	52.470	ug/l	99
43) Isopropyl Acetate	7.62	43	449162	51.420	ug/l	93
44) Trichloroethene	6.99	130	457260	54.830	ug/l	97
45) 1,2-Dichloropropane	7.36	63	415519	52.364	ug/l	96
46) Dibromomethane	7.46	93	273261	53.606	ug/l	96
47) Bromodichloromethane	7.75	83	654195	54.811	ug/l	97
48) Methyl methacrylate	7.51	41	272193	50.628	ug/l	98
49) 1,4-Dioxane	7.49	88	47227	1060.350	ug/l	95
51) 4-Methyl-2-Pentanone	8.61	43	1415124	252.576	ug/l	97
52) Toluene	8.81	92	803783	49.054	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	551259	53.609	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	632141	52.180	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	287902	54.290	ug/l	98
56) Ethyl methacrylate	9.32	69	356777	54.846	ug/l	96
57) 1,3-Dichloropropane	9.67	76	506544	54.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859255	261.447	ug/l	97
59) 2-Hexanone	9.80	43	1093300	266.274	ug/l	100
60) Dibromochloromethane	9.96	129	399957	53.484	ug/l	97
61) 1,2-Dibromoethane	10.10	107	316913	51.965	ug/l	92
64) Tetrachloroethene	9.52	164	426225	52.629	ug/l	98
65) Chlorobenzene	10.73	112	934985	50.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	359693	51.050	ug/l	96
67) Ethyl Benzene	10.86	91	1627777	49.130	ug/l	98
68) m/p-Xylenes	11.02	106	1049875	97.202	ug/l	99
69) o-Xylene	11.41	106	523383	48.818	ug/l	96
70) Styrene	11.44	104	891341	50.221	ug/l	99
71) Bromoform	11.61	173	286174	53.991	ug/l	98
73) Isopropylbenzene	11.78	105	1534122	49.703	ug/l	100
74) N-amyl acetate	11.65	43	577181	48.461	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	343556	51.052	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	380354	54.336	ug/l	99
77) Bromobenzene	12.04	156	456299	49.943	ug/l	96
78) n-propylbenzene	12.16	91	1963646	48.890	ug/l	100
79) 2-Chlorotoluene	12.22	91	1137225	49.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	1181906	49.101	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	95618	55.149	ug/l	95
82) 4-Chlorotoluene	12.33	91	1216346	54.896	ug/l	99
83) tert-Butylbenzene	12.58	119	1375820	50.619	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1286335	49.701	ug/l	99
85) sec-Butylbenzene	12.76	105	1598312	48.726	ug/l	99
86) p-Isopropyltoluene	12.89	119	1305558	49.382	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	782049	50.602	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	759709	50.452	ug/l	94
89) n-Butylbenzene	13.20	91	1282211	54.208	ug/l	97
90) Hexachloroethane	13.40	117	357510	52.981	ug/l	63
91) 1,2-Dichlorobenzene	13.19	146	596810	47.784	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	55412	53.353	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	638048	54.681	ug/l	99
94) Hexachlorobutadiene	14.44	225	482754	52.598	ug/l	96
95) Naphthalene	14.52	128	803901	53.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	540516	54.355	ug/l	97

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

