

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060570.D
 Acq On : 14 Dec 2018 13:44
 Operator : VA/AP
 Sample : VD1214SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:10 PM

Quant Time: Dec 14 22:37:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1464377	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	2009321	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1609961	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	826356	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	518262	49.93	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	6.31	113	771133	52.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	9.44	98	2235664	52.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.41	95	787822	51.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	384604	24.208	ug/l	95
3) Chloromethane	1.76	50	336812	22.386	ug/l	100
4) Vinyl Chloride	1.86	62	281040	23.404	ug/l	98
5) Bromomethane	2.15	94	50573	16.835	ug/l	98
6) Chloroethane	2.26	64	70490	16.966	ug/l	99
7) Trichlorofluoromethane	2.51	101	300231	21.654	ug/l	99
8) Diethyl Ether	2.83	74	48585	20.287	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.08	101	197798	21.987	ug/l	98
10) Methyl Iodide	3.24	142	221661	21.079	ug/l	98
11) Tert butyl alcohol	3.97	59	42095	99.825	ug/l	96
12) 1,1-Dichloroethene	3.07	96	161887	22.117	ug/l	94
13) Acrolein	2.98	56	36193	78.549	ug/l	99
14) Allyl chloride	3.53	41	296567	21.356	ug/l	98
15) Acrylonitrile	4.08	53	237907	99.361	ug/l	95
16) Acetone	3.16	43	151715	91.189	ug/l	97
17) Carbon Disulfide	3.31	76	503951	21.196	ug/l	98
18) Methyl Acetate	3.55	43	73830	18.672	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	409975	20.198	ug/l	99
20) Methylene Chloride	3.71	84	341977	19.673	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	335788	21.090	ug/l	97
22) Diisopropyl ether	4.84	45	1008181	20.220	ug/l	96
23) Vinyl Acetate	4.79	43	2490556	100.818	ug/l	100
24) 1,1-Dichloroethane	4.75	63	539984	20.847	ug/l	99
25) 2-Butanone	5.60	43	311898	95.287	ug/l	98
26) 2,2-Dichloropropane	5.57	77	426334	21.306	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	336631	20.794	ug/l	98
28) Bromochloromethane	5.91	49	226292	19.721	ug/l	90
29) Tetrahydrofuran	5.94	42	183011	98.734	ug/l	97
30) Chloroform	6.08	83	522567	20.025	ug/l	97
31) Cyclohexane	6.35	56	509959	20.785	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	456375	21.273	ug/l	98
36) 1,1-Dichloropropene	6.51	75	428145	21.799	ug/l	99
37) Ethyl Acetate	5.68	43	170336	19.997	ug/l	99
38) Carbon Tetrachloride	6.48	117	383553	21.753	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	482252	21.539	ug/l	98
40) Benzene	6.77	78	1071676	21.350	ug/l	97
41) Methacrylonitrile	5.91	41	88808m	19.341	ug/l	
42) 1,2-Dichloroethane	6.88	62	265141	20.775	ug/l	99
43) Isopropyl Acetate	8.33	43	209857	19.958	ug/l #	98
44) Trichloroethene	7.72	130	314703	20.979	ug/l	100
45) 1,2-Dichloropropane	8.08	63	254178	20.474	ug/l	100
46) Dibromomethane	8.20	93	147301	20.536	ug/l	98
47) Bromodichloromethane	8.47	83	357357	20.997	ug/l	100
48) Methyl methacrylate	8.23	41	127456	20.486	ug/l	97
49) 1,4-Dioxane	8.21	88	22356	396.472	ug/l	92
51) 4-Methyl-2-Pentanone	9.32	43	656468	100.368	ug/l	100
52) Toluene	9.53	92	672658	21.440	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	292279	20.900	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	385239	20.967	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	180232	20.629	ug/l	98
56) Ethyl methacrylate	10.01	69	162420	20.541	ug/l	96
57) 1,3-Dichloropropane	10.36	76	275122	20.370	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.91	63	519918	109.892	ug/l	99
59) 2-Hexanone	10.47	43	454827	99.487	ug/l	97
60) Dibromochloromethane	10.62	129	226257	20.713	ug/l	97
61) 1,2-Dibromoethane	10.74	107	179005	20.104	ug/l	97
64) Tetrachloroethene	10.24	164	297103	20.841	ug/l	98
65) Chlorobenzene	11.30	112	713214	20.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	234579	21.368	ug/l	98
67) Ethyl Benzene	11.42	91	1277028	21.981	ug/l	99
68) m/p-Xylenes	11.55	106	939365	43.706	ug/l	98
69) o-Xylene	11.92	106	439712	21.467	ug/l	92
70) Styrene	11.94	104	709552	21.582	ug/l	97
71) Bromoform	12.11	173	145161	19.820	ug/l	99
73) Isopropylbenzene	12.26	105	1242714	21.252	ug/l	99
74) N-amyl acetate	12.13	43	272352	19.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	188596	20.146	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	185535	19.816	ug/l	95
77) Bromobenzene	12.53	156	312714	20.345	ug/l	93
78) n-propylbenzene	12.63	91	1593194	21.553	ug/l	99
79) 2-Chlorotoluene	12.70	91	823293	20.525	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	977435	21.875	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	49606	18.996	ug/l	98
82) 4-Chlorotoluene	12.79	91	974005	21.620	ug/l	91
83) tert-Butylbenzene	13.03	119	1097295	21.902	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	972517	21.020	ug/l	99
85) sec-Butylbenzene	13.21	105	1345917	21.554	ug/l	98
86) p-Isopropyltoluene	13.33	119	1076056	21.739	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	564368	20.279	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	568114	20.809	ug/l	97
89) n-Butylbenzene	13.63	91	1147244	20.883	ug/l	96
90) Hexachloroethane	13.85	117	258034	20.791	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	481291	21.162	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	21696	19.127	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	362988	20.416	ug/l	94
94) Hexachlorobutadiene	14.87	225	280735	21.401	ug/l	99
95) Naphthalene	14.96	128	418134	19.769	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	282725	19.957	ug/l	100

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

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