

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060147.D
 Acq On : 9 Oct 2018 12:11
 Operator : VA/AP
 Sample : VD1009SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 11:31:50 AM

Quant Time: Oct 09 17:09:49 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	1558257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2208264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1816835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	945581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	637060	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	6.29	113	850516	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	9.43	98	2366953	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.41	95	906964	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	248508	16.954	ug/l	97
3) Chloromethane	1.74	50	289264	21.885	ug/l	96
4) Vinyl Chloride	1.83	62	225090	20.809	ug/l	98
5) Bromomethane	2.11	94	20479	15.078	ug/l	89
6) Chloroethane	2.22	64	49654	16.822	ug/l	94
7) Trichlorofluoromethane	2.47	101	249140	19.236	ug/l	98
8) Diethyl Ether	2.79	74	61191	22.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	179065	22.192	ug/l	99
10) Methyl Iodide	3.21	142	156410	18.279	ug/l	96
11) Tert butyl alcohol	3.94	59	98548	116.332	ug/l	99
12) 1,1-Dichloroethene	3.04	96	142002	22.340	ug/l	93
13) Acrolein	2.95	56	54760	104.862	ug/l	93
14) Allyl chloride	3.49	41	289927	21.961	ug/l	97
15) Acrylonitrile	4.04	53	403249	115.005	ug/l	98
16) Acetone	3.13	43	263319	122.857	ug/l	98
17) Carbon Disulfide	3.28	76	451438	21.119	ug/l	98
18) Methyl Acetate	3.52	43	98439	21.369	ug/l	98
19) Methyl tert-butyl Ether	4.08	73	635809	22.750	ug/l	98
20) Methylene Chloride	3.68	84	360734	18.689	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	343507	20.924	ug/l	99
22) Diisopropyl ether	4.82	45	1310320	22.224	ug/l	97
23) Vinyl Acetate	4.76	43	3834076	115.689	ug/l	99
24) 1,1-Dichloroethane	4.71	63	581513	21.753	ug/l	98
25) 2-Butanone	5.59	43	638561	119.257	ug/l	96
26) 2,2-Dichloropropane	5.55	77	457030	22.552	ug/l	95
27) cis-1,2-Dichloroethene	5.56	96	375587	21.593	ug/l	94
28) Bromochloromethane	5.89	49	274787	21.153	ug/l	95
29) Tetrahydrofuran	5.92	42	356101	114.496	ug/l	99
30) Chloroform	6.07	83	581421	21.501	ug/l	100
31) Cyclohexane	6.33	56	520921	20.356	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	469929	21.212	ug/l	99
36) 1,1-Dichloropropene	6.49	75	431878	20.466	ug/l	97
37) Ethyl Acetate	5.67	43	321972	22.987	ug/l	99
38) Carbon Tetrachloride	6.46	117	395419	20.646	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	487680	20.340	ug/l	98
40) Benzene	6.76	78	1152896	20.884	ug/l	100
41) Methacrylonitrile	5.89	41	182362m	23.035	ug/l	
42) 1,2-Dichloroethane	6.86	62	332425	21.003	ug/l	97
43) Isopropyl Acetate	8.32	43	400336	21.725	ug/l #	100
44) Trichloroethene	7.70	130	342537	20.044	ug/l	98
45) 1,2-Dichloropropane	8.08	63	300610	20.796	ug/l	99
46) Dibromomethane	8.19	93	198858	21.249	ug/l	97
47) Bromodichloromethane	8.46	83	423254	21.226	ug/l	98
48) Methyl methacrylate	8.22	41	230983	22.006	ug/l	98
49) 1,4-Dioxane	8.21	88	43429	420.511	ug/l	92
51) 4-Methyl-2-Pentanone	9.32	43	1314417	113.091	ug/l	98
52) Toluene	9.53	92	738110	20.760	ug/l	100
53) t-1,3-Dichloropropene	9.89	75	391011	21.671	ug/l	100
54) cis-1,3-Dichloropropene	9.07	75	468492	21.027	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	251542	21.641	ug/l	98
56) Ethyl methacrylate	10.01	69	276512	21.551	ug/l	93
57) 1,3-Dichloropropane	10.36	76	378403	21.346	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	828610	116.299	ug/l	95
59) 2-Hexanone	10.47	43	994071	118.942	ug/l	99
60) Dibromochloromethane	10.62	129	304241	21.334	ug/l	100
61) 1,2-Dibromoethane	10.74	107	261504	21.174	ug/l	97
64) Tetrachloroethene	10.23	164	311747	19.591	ug/l	98
65) Chlorobenzene	11.30	112	828431	21.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	281725	21.486	ug/l	98
67) Ethyl Benzene	11.41	91	1370995	21.529	ug/l	99
68) m/p-Xylenes	11.55	106	1020095	42.873	ug/l	98
69) o-Xylene	11.92	106	492332	20.919	ug/l	88
70) Styrene	11.95	104	812399	20.641	ug/l	98
71) Bromoform	12.10	173	225654	21.253	ug/l	98
73) Isopropylbenzene	12.26	105	1343635	21.539	ug/l	99
74) N-amyl acetate	12.12	43	513925	22.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	300023	22.030	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	307345	22.570	ug/l	100
77) Bromobenzene	12.53	156	384552	21.214	ug/l	92
78) n-propylbenzene	12.62	91	1691863	21.842	ug/l	98
79) 2-Chlorotoluene	12.69	91	919171	21.381	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1078084	22.329	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	84774	22.155	ug/l	98
82) 4-Chlorotoluene	12.79	91	1073360	22.074	ug/l	90
83) tert-Butylbenzene	13.04	119	1172642	21.165	ug/l	96
84) 1,2,4-Trimethylbenzene	13.08	105	1079843	21.221	ug/l	95
85) sec-Butylbenzene	13.21	105	1410118	21.526	ug/l	98
86) p-Isopropyltoluene	13.33	119	1186623	22.085	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	689330	21.826	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	671166	21.157	ug/l	97
89) n-Butylbenzene	13.64	91	1194917	22.792	ug/l	99
90) Hexachloroethane	13.85	117	261825	21.055	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	601229	22.640	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	39433	21.685	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	476042	21.119	ug/l	96
94) Hexachlorobutadiene	14.87	225	320246	21.374	ug/l	98
95) Naphthalene	14.96	128	695076	20.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	404090	20.608	ug/l	99

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

