

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121718\
 Data File : VD060593.D
 Acq On : 17 Dec 2018 12:16
 Operator : VA/AP
 Sample : VD1217SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Manual Integrations
 APPROVED

apatel
 12/18/2018 3:30:53 PM

Quant Time: Dec 18 13:01:57 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	6.43	168	1559747	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2127164	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1686388	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	873894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	558694	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	6.34	113	804136	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	9.47	98	2257608	49.93	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.44	95	817700	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	398054	23.307	ug/l	97
3) Chloromethane	1.78	50	344519	21.498	ug/l	100
4) Vinyl Chloride	1.88	62	280972	21.968	ug/l	100
5) Bromomethane	2.17	94	43724	13.665	ug/l	96
6) Chloroethane	2.28	64	72412	16.408	ug/l	100
7) Trichlorofluoromethane	2.53	101	314643	21.306	ug/l	98
8) Diethyl Ether	2.85	74	54013	21.175	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	204862	21.380	ug/l	96
10) Methyl Iodide	3.27	142	226253	20.200	ug/l	98
11) Tert butyl alcohol	4.00	59	41172	91.666	ug/l	95
12) 1,1-Dichloroethene	3.10	96	168540	21.618	ug/l	90
13) Acrolein	3.01	56	42037	85.654	ug/l	97
14) Allyl chloride	3.56	41	298551	20.184	ug/l	94
15) Acrylonitrile	4.12	53	265106	103.951	ug/l	96
16) Acetone	3.18	43	181256	102.284	ug/l	97
17) Carbon Disulfide	3.34	76	515047	20.338	ug/l	100
18) Methyl Acetate	3.58	43	93538	22.209	ug/l	96
19) Methyl tert-butyl Ether	4.15	73	456077	21.095	ug/l	98
20) Methylene Chloride	3.75	84	363026	19.591	ug/l	97
21) trans-1,2-Dichloroethene	4.13	96	347733	20.505	ug/l	99
22) Diisopropyl ether	4.89	45	1081419	20.363	ug/l	97
23) Vinyl Acetate	4.83	43	2702406	102.704	ug/l	99
24) 1,1-Dichloroethane	4.78	63	572901	20.765	ug/l	99
25) 2-Butanone	5.64	43	360378	103.366	ug/l	100
26) 2,2-Dichloropropane	5.62	77	458827	21.528	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	353287	20.489	ug/l	99
28) Bromochloromethane	5.95	49	225318	18.436	ug/l	99
29) Tetrahydrofuran	5.98	42	196980	99.773	ug/l	98
30) Chloroform	6.13	83	568228	20.443	ug/l	99
31) Cyclohexane	6.39	56	533037	20.319	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	476865	20.869	ug/l	98
36) 1,1-Dichloropropene	6.55	75	438398	21.084	ug/l	98
37) Ethyl Acetate	5.72	43	173892	19.284	ug/l	99
38) Carbon Tetrachloride	6.52	117	400551	21.458	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	493343	20.813	ug/l	99
40) Benzene	6.82	78	1127313	21.214	ug/l	99
41) Methacrylonitrile	5.95	41	104525m	21.503	ug/l	
42) 1,2-Dichloroethane	6.91	62	291195	21.552	ug/l	99
43) Isopropyl Acetate	8.37	43	221989	19.943	ug/l #	99
44) Trichloroethene	7.76	130	334073	21.036	ug/l	97
45) 1,2-Dichloropropane	8.12	63	269017	20.469	ug/l	99
46) Dibromomethane	8.24	93	157991	20.806	ug/l	97
47) Bromodichloromethane	8.51	83	375949	20.866	ug/l	100
48) Methyl methacrylate	8.27	41	134251	20.383	ug/l	95
49) 1,4-Dioxane	8.26	88	23389	391.813	ug/l #	93
51) 4-Methyl-2-Pentanone	9.36	43	699128	100.969	ug/l	97
52) Toluene	9.57	92	700592	21.094	ug/l	96
53) t-1,3-Dichloropropene	9.94	75	322067	21.754	ug/l	95
54) cis-1,3-Dichloropropene	9.13	75	412470	21.205	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	192792	20.844	ug/l	97
56) Ethyl methacrylate	10.05	69	174002	20.787	ug/l	97
57) 1,3-Dichloropropane	10.40	76	302383	21.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	572049	114.212	ug/l	98
59) 2-Hexanone	10.51	43	509196	105.209	ug/l	99
60) Dibromochloromethane	10.65	129	247476	21.400	ug/l	100
61) 1,2-Dibromoethane	10.77	107	191053	20.269	ug/l	98
64) Tetrachloroethene	10.27	164	301997	20.224	ug/l	98
65) Chlorobenzene	11.33	112	751610	21.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	254919	22.169	ug/l	95
67) Ethyl Benzene	11.44	91	1327069	21.808	ug/l	97
68) m/p-Xylenes	11.58	106	979654	43.515	ug/l	98
69) o-Xylene	11.94	106	456042	21.256	ug/l	91
70) Styrene	11.97	104	730494	21.212	ug/l	99
71) Bromoform	12.13	173	160193	20.881	ug/l	98
73) Isopropylbenzene	12.29	105	1248532	20.190	ug/l	99
74) N-amyl acetate	12.15	43	299108	20.013	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	204074	20.613	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	200935	20.293	ug/l	98
77) Bromobenzene	12.55	156	331799	20.412	ug/l	96
78) n-propylbenzene	12.65	91	1613137	20.636	ug/l	99
79) 2-Chlorotoluene	12.72	91	871257	20.540	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1006858	21.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	54540	19.749	ug/l	97
82) 4-Chlorotoluene	12.82	91	1010563	21.211	ug/l	93
83) tert-Butylbenzene	13.05	119	1120192	21.143	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1036102	21.176	ug/l	99
85) sec-Butylbenzene	13.23	105	1354633	20.514	ug/l	98
86) p-Isopropyltoluene	13.35	119	1098780	20.990	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	608561	20.677	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	609917	21.125	ug/l	97
89) n-Butylbenzene	13.66	91	1176495	20.196	ug/l	98
90) Hexachloroethane	13.87	117	267744	20.400	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	533142	22.166	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24852	20.717	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	390091	20.747	ug/l	97
94) Hexachlorobutadiene	14.90	225	289529	20.871	ug/l	99
95) Naphthalene	14.97	128	445117	19.900	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	308936	20.621	ug/l	95

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

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