

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058318.D
 Acq On : 23 Jun 2018 3:20
 Operator : VA/AP
 Sample : VD0622SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Quant Time: Jun 23 03:39:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	940120	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1244438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	993765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	496924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	533687	56.20	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.40%	
35) Dibromofluoromethane	5.55	113	548636	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	8.71	98	1238795	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.93	95	507017	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	231212	24.15	ug/l	97
3) Chloromethane	1.49	50	107880	24.03	ug/l	# 88
4) Vinyl Chloride	1.57	62	109204	22.17	ug/l	98
5) Bromomethane	1.80	94	35235	18.89	ug/l	98
6) Chloroethane	1.88	64	34345	17.91	ug/l	100
7) Trichlorofluoromethane	2.09	101	144644	21.42	ug/l	99
8) Diethyl Ether	2.36	74	30451	21.32	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	94383	21.99	ug/l	90
10) Methyl Iodide	2.70	142	100240	20.53	ug/l	97
11) Tert butyl alcohol	3.27	59	29578	94.44	ug/l	96
12) 1,1-Dichloroethene	2.55	96	68602	21.24	ug/l	83
13) Acrolein	2.48	56	16993	95.05	ug/l	90
14) Allyl chloride	2.93	41	163683	21.77	ug/l	96
15) Acrylonitrile	3.37	53	115519	139.11	ug/l	98
16) Acetone	2.62	43	118937	91.59	ug/l	94
17) Carbon Disulfide	2.76	76	222587	20.26	ug/l	98
18) Methyl Acetate	2.95	43	54760	19.77	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	342254	39.95	ug/l	98
20) Methylene Chloride	3.08	84	92762	24.98	ug/l	96
21) trans-1,2-Dichloroethene	3.40	96	131297	37.20	ug/l	92
22) Diisopropyl ether	4.09	45	654459	21.92	ug/l	99
23) Vinyl Acetate	4.03	43	1671709	104.45	ug/l	99
24) 1,1-Dichloroethane	3.99	63	373086	23.19	ug/l	99
25) 2-Butanone	4.85	43	303986	107.40	ug/l	97
26) 2,2-Dichloropropane	4.81	77	278521	20.68	ug/l	100
27) cis-1,2-Dichloroethene	4.82	96	210204	23.83	ug/l	98
28) Bromochloromethane	5.15	49	161963	22.46	ug/l	98
29) Tetrahydrofuran	5.20	42	158935	105.49	ug/l	100
30) Chloroform	5.33	83	391789	23.07	ug/l	97
31) Cyclohexane	5.60	56	298582	22.71	ug/l	98
32) 1,1,1-Trichloroethane	5.53	97	307152	21.89	ug/l	99
36) 1,1-Dichloropropene	5.75	75	270475	21.97	ug/l	97
37) Ethyl Acetate	4.93	43	148614	21.19	ug/l	97
38) Carbon Tetrachloride	5.73	117	260417	21.29	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	260093	21.69	ug/l	95
40) Benzene	6.03	78	648670	22.12	ug/l	100
41) Methacrylonitrile	5.14	41	74303	21.94	ug/l	99
42) 1,2-Dichloroethane	6.14	62	258720	21.88	ug/l	100
43) Isopropyl Acetate	7.62	43	188160	20.12	ug/l #	98
44) Trichloroethene	6.99	130	196396	22.30	ug/l	93
45) 1,2-Dichloropropane	7.36	63	162005	20.51	ug/l	99
46) Dibromomethane	7.46	93	117960	21.88	ug/l	83
47) Bromodichloromethane	7.75	83	268336	21.83	ug/l	96
48) Methyl methacrylate	7.51	41	120031	21.12	ug/l	90
49) 1,4-Dioxane	7.50	88	21463	418.35	ug/l #	76
51) 4-Methyl-2-Pentanone	8.61	43	654807	107.35	ug/l	100
52) Toluene	8.81	92	367389	22.00	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	223072	20.87	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	263960	21.06	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	130696	22.12	ug/l	98
56) Ethyl methacrylate	9.32	69	152143	21.53	ug/l	96
57) 1,3-Dichloropropane	9.67	76	220431	22.15	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	393386	112.47	ug/l	100
59) 2-Hexanone	9.79	43	461520	104.71	ug/l	94
60) Dibromochloromethane	9.96	129	168894	21.07	ug/l	97
61) 1,2-Dibromoethane	10.10	107	139969	21.65	ug/l	94
64) Tetrachloroethene	9.52	164	207218	24.78	ug/l	100
65) Chlorobenzene	10.72	112	413345	22.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	157764	21.99	ug/l	98
67) Ethyl Benzene	10.86	91	742590	22.63	ug/l	97
68) m/p-Xylenes	11.02	106	467434	42.71	ug/l	99
69) o-Xylene	11.41	106	232067	22.20	ug/l	96
70) Styrene	11.43	104	392389	22.00	ug/l	97
71) Bromoform	11.60	173	118401	20.69	ug/l	96
73) Isopropylbenzene	11.78	105	670577	22.56	ug/l	100
74) N-amyl acetate	11.65	43	251170	21.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	150557	21.77	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	155852	21.48	ug/l	100
77) Bromobenzene	12.04	156	205252	23.06	ug/l	88
78) n-propylbenzene	12.15	91	895639	23.33	ug/l	96
79) 2-Chlorotoluene	12.22	91	515022	23.45	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	507976	21.91	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	34095	19.27	ug/l	88
82) 4-Chlorotoluene	12.33	91	535577	21.97	ug/l	93
83) tert-Butylbenzene	12.57	119	598907	22.47	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	575511	22.84	ug/l	100
85) sec-Butylbenzene	12.76	105	710563	22.74	ug/l	97
86) p-Isopropyltoluene	12.89	119	569778	22.51	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	346209	22.38	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	329255	21.80	ug/l	97
89) n-Butylbenzene	13.19	91	595239	22.37	ug/l	95
90) Hexachloroethane	13.40	117	145989	22.22	ug/l	73
91) 1,2-Dichlorobenzene	13.19	146	290493	22.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24269	22.05	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	258810	20.55	µg/l	93
94) Hexachlorobutadiene	14.43	225	198571	20.16	µg/l	98
95) Naphthalene	14.51	128	352716	21.27	µg/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	223325	20.26	µg/l	96

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

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