

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059440.D
 Acq On : 27 Jun 2018 13:09
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Quant Time: Jun 27 15:05:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	978570	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	1252126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1021008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	520427	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	423806	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	
35) Dibromofluoromethane	5.55	113	462809	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
50) Toluene-d8	8.71	98	1008090	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	
62) 4-Bromofluorobenzene	11.93	95	428185	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	222456	25.55	ug/l	99
3) Chloromethane	1.49	50	108985	24.06	ug/l	91
4) Vinyl Chloride	1.56	62	105791	22.51	ug/l	92
5) Bromomethane	1.80	94	36852	21.03	ug/l	85
6) Chloroethane	1.89	64	37419	17.37	ug/l	98
7) Trichlorofluoromethane	2.08	101	161544	23.84	ug/l	94
8) Diethyl Ether	2.35	74	34691	22.62	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	105808	25.12	ug/l	96
10) Methyl Iodide	2.69	142	102107	20.76	ug/l	96
11) Tert butyl alcohol	3.28	59	29489	85.18	ug/l #	90
12) 1,1-Dichloroethene	2.55	96	81309	25.22	ug/l	83
13) Acrolein	2.48	56	37499	121.16	ug/l	95
14) Allyl chloride	2.92	41	167787	22.73	ug/l	98
15) Acrylonitrile	3.36	53	139603	131.39	ug/l	95
16) Acetone	2.62	43	163086	129.13	ug/l #	88
17) Carbon Disulfide	2.75	76	226571	22.94	ug/l	100
18) Methyl Acetate	2.94	43	53032	17.85	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	336524	21.20	ug/l	97
20) Methylene Chloride	3.08	84	96988	26.52	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	159275	27.94	ug/l	92
22) Diisopropyl ether	4.07	45	613117	22.08	ug/l	99
23) Vinyl Acetate	4.02	43	1672901	115.63	ug/l	98
24) 1,1-Dichloroethane	3.97	63	361933	22.78	ug/l	98
25) 2-Butanone	4.84	43	276625	104.55	ug/l	94
26) 2,2-Dichloropropane	4.80	77	318008	25.81	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	205925	21.49	ug/l	90
28) Bromochloromethane	5.15	49	142455	20.68	ug/l	98
29) Tetrahydrofuran	5.18	42	144921	100.14	ug/l	97
30) Chloroform	5.32	83	381059	22.00	ug/l	95
31) Cyclohexane	5.59	56	280903	24.83	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	321467	22.92	ug/l	89
36) 1,1-Dichloropropene	5.75	75	272068	23.95	ug/l	97
37) Ethyl Acetate	4.93	43	147912	21.38	ug/l #	96
38) Carbon Tetrachloride	5.73	117	270792	23.12	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	251942	23.39	ug/l	94
40) Benzene	6.01	78	609743	22.37	ug/l	100
41) Methacrylonitrile	5.14	41	69166	20.76	ug/l	95
42) 1,2-Dichloroethane	6.13	62	256327	21.28	ug/l	98
43) Isopropyl Acetate	7.62	43	172416	19.85	ug/l #	99
44) Trichloroethene	6.98	130	197945	22.18	ug/l	99
45) 1,2-Dichloropropane	7.35	63	170907	22.64	ug/l	99
46) Dibromomethane	7.46	93	117959	21.73	ug/l	94
47) Bromodichloromethane	7.74	83	267978	22.06	ug/l	98
48) Methyl methacrylate	7.51	41	107886	20.39	ug/l	95
49) 1,4-Dioxane	7.50	88	21764	410.04	ug/l	92
51) 4-Methyl-2-Pentanone	8.59	43	604468	104.42	ug/l	100
52) Toluene	8.80	92	351080	21.57	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	234732	23.12	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	275236	23.42	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	124908	21.13	ug/l	97
56) Ethyl methacrylate	9.31	69	146205	21.68	ug/l	99
57) 1,3-Dichloropropane	9.66	76	211775	21.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	371754	107.08	ug/l	99
59) 2-Hexanone	9.78	43	466286	113.34	ug/l	98
60) Dibromochloromethane	9.96	129	172761	20.87	ug/l	96
61) 1,2-Dibromoethane	10.10	107	139749	21.23	ug/l	99
64) Tetrachloroethene	9.51	164	175691	19.62	ug/l	94
65) Chlorobenzene	10.72	112	423332	22.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	161553	22.54	ug/l	95
67) Ethyl Benzene	10.85	91	746517	23.70	ug/l	96
68) m/p-Xylenes	11.01	106	493184	47.19	ug/l	97
69) o-Xylene	11.41	106	229976	22.26	ug/l	96
70) Styrene	11.43	104	390787	22.06	ug/l	98
71) Bromoform	11.60	173	123504	20.80	ug/l	97
73) Isopropylbenzene	11.77	105	686190	23.36	ug/l	99
74) N-amyl acetate	11.64	43	235594	21.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	149386	21.68	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	158452	22.07	ug/l	100
77) Bromobenzene	12.04	156	203749	22.04	ug/l	98
78) n-propylbenzene	12.15	91	886288	23.83	ug/l	99
79) 2-Chlorotoluene	12.21	91	519301	23.77	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	524144	22.42	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	36077	22.11	ug/l	91
82) 4-Chlorotoluene	12.32	91	574669	23.20	ug/l	98
83) tert-Butylbenzene	12.58	119	626498	25.19	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	562963	22.75	ug/l	94
85) sec-Butylbenzene	12.75	105	711686	23.32	ug/l	98
86) p-Isopropyltoluene	12.88	119	588803	23.94	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	345005	22.69	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	347450	23.15	ug/l	97
89) n-Butylbenzene	13.20	91	608440	25.06	ug/l	99
90) Hexachloroethane	13.39	117	148516	24.20	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	289266	22.44	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24463	21.53	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	267208	22.42	ug/l	94
94) Hexachlorobutadiene	14.43	225	213624	23.82	ug/l	97
95) Naphthalene	14.52	128	362848	21.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	223945	20.89	ug/l	97

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

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