

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058341.D
 Acq On : 23 Jun 2018 15:22
 Operator : VA/AP
 Sample : VD0623SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Quant Time: Jun 25 01:06:42 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	5.66	168	991540	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1283792	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1000235	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	527538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	568116	56.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.46%	
35) Dibromofluoromethane	5.57	113	567599	54.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	8.72	98	1277653	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.94	95	533462	51.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	250517	24.93	ug/l	98
3) Chloromethane	1.50	50	120930	25.84	ug/l #	88
4) Vinyl Chloride	1.57	62	106697	20.54	ug/l	94
5) Bromomethane	1.81	94	39216	20.03	ug/l	88
6) Chloroethane	1.90	64	39717	19.60	ug/l	98
7) Trichlorofluoromethane	2.09	101	163992	23.03	ug/l	93
8) Diethyl Ether	2.36	74	31280	20.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.57	101	108918	24.06	ug/l	93
10) Methyl Iodide	2.70	142	98213	19.07	ug/l	90
11) Tert butyl alcohol	3.28	59	28129	85.16	ug/l #	89
12) 1,1-Dichloroethene	2.57	96	82831	24.32	ug/l	98
13) Acrolein	2.50	56	19031	100.92	ug/l	93
14) Allyl chloride	2.94	41	178528	22.52	ug/l	94
15) Acrylonitrile	3.37	53	181398	207.11	ug/l	93
16) Acetone	2.64	43	156438	114.22	ug/l #	91
17) Carbon Disulfide	2.77	76	231502	19.97	ug/l #	95
18) Methyl Acetate	2.95	43	55108	18.87	ug/l	97
19) Methyl tert-butyl Ether	3.42	73	394286	43.64	ug/l	99
20) Methylene Chloride	3.09	84	86691	21.53	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	192314	51.66	ug/l	90
22) Diisopropyl ether	4.09	45	696905	22.13	ug/l	92
23) Vinyl Acetate	4.04	43	1853264	109.79	ug/l	99
24) 1,1-Dichloroethane	3.99	63	400776	23.62	ug/l	97
25) 2-Butanone	4.86	43	314847	105.47	ug/l	100
26) 2,2-Dichloropropane	4.82	77	325081	22.88	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	215452	23.16	ug/l	99
28) Bromochloromethane	5.17	49	172361	22.66	ug/l #	100
29) Tetrahydrofuran	5.21	42	153029	96.31	ug/l	94
30) Chloroform	5.34	83	407637	22.76	ug/l	92
31) Cyclohexane	5.61	56	309392	22.21	ug/l	97
32) 1,1,1-Trichloroethane	5.53	97	330938	22.36	ug/l	95
36) 1,1-Dichloropropene	5.77	75	306380	24.12	ug/l	98
37) Ethyl Acetate	4.94	43	158893	21.96	ug/l	99
38) Carbon Tetrachloride	5.75	117	283653	22.48	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	275673	22.29	ug/l	99
40) Benzene	6.03	78	690728	22.83	ug/l	99
41) Methacrylonitrile	5.15	41	76543	21.91	ug/l	96
42) 1,2-Dichloroethane	6.15	62	271869	22.29	ug/l	99
43) Isopropyl Acetate	7.63	43	196381	20.36	ug/l #	95
44) Trichloroethene	7.00	130	206881	22.77	ug/l	92
45) 1,2-Dichloropropane	7.36	63	188900	23.19	ug/l	98
46) Dibromomethane	7.48	93	125109	22.49	ug/l	94
47) Bromodichloromethane	7.75	83	284822	22.46	ug/l	99
48) Methyl methacrylate	7.52	41	120581	20.57	ug/l	97
49) 1,4-Dioxane	7.51	88	23862	450.86	ug/l #	79
51) 4-Methyl-2-Pentanone	8.61	43	662779	105.33	ug/l	99
52) Toluene	8.82	92	403908	23.45	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	245621	22.27	ug/l	99
54) cis-1,3-Dichloropropene	8.38	75	293359	22.69	ug/l	96
55) 1,1,2-Trichloroethane	9.47	97	136505	22.40	ug/l	95
56) Ethyl methacrylate	9.33	69	160573	22.03	ug/l	91
57) 1,3-Dichloropropane	9.67	76	233600	22.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.21	63	409909	113.60	ug/l	99
59) 2-Hexanone	9.80	43	506996	111.50	ug/l	96
60) Dibromochloromethane	9.97	129	178713	21.61	ug/l	98
61) 1,2-Dibromoethane	10.11	107	146800	22.01	ug/l	96
64) Tetrachloroethene	9.53	164	192320	22.85	ug/l	97
65) Chlorobenzene	10.73	112	436419	23.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	168947	23.40	ug/l	98
67) Ethyl Benzene	10.87	91	784429	23.75	ug/l	97
68) m/p-Xylenes	11.02	106	528055	47.94	ug/l	97
69) o-Xylene	11.42	106	248498	23.62	ug/l	96
70) Styrene	11.44	104	417807	23.27	ug/l	99
71) Bromoform	11.60	173	123774	21.49	ug/l	96
73) Isopropylbenzene	11.78	105	715014	22.66	ug/l	99
74) N-amyl acetate	11.65	43	256857	21.05	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.09	83	164339	22.38	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	174209	22.62	ug/l	97
77) Bromobenzene	12.05	156	215686	22.83	ug/l	85
78) n-propylbenzene	12.16	91	970843	23.82	ug/l	96
79) 2-Chlorotoluene	12.22	91	520543	22.32	ug/l	92
80) 1,3,5-Trimethylbenzene	12.32	105	552009	22.43	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	37588	20.01	ug/l	99
82) 4-Chlorotoluene	12.33	91	597044	23.38	ug/l	97
83) tert-Butylbenzene	12.58	119	645406	22.81	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	615627	23.01	ug/l	99
85) sec-Butylbenzene	12.77	105	740709	22.33	ug/l	94
86) p-Isopropyltoluene	12.89	119	593761	22.09	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	366951	22.34	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	358891	22.38	ug/l	96
89) n-Butylbenzene	13.20	91	671120	23.76	ug/l	97
90) Hexachloroethane	13.41	117	154516	22.15	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	323579	23.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	23477	20.09	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	283572	21.21	ug/l	94
94) Hexachlorobutadiene	14.44	225	217447	20.80	ug/l	96
95) Naphthalene	14.52	128	370403	21.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	247982	21.19	ug/l	94

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

