

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058319.D
 Acq On : 23 Jun 2018 3:48
 Operator : VA/AP
 Sample : VD0622SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

Quant Time: Jun 23 04:12:44 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	930131	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1247194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	996383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	507109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	544795	57.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	5.56	113	566534	55.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	8.71	98	1291730	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.93	95	533518	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	240325	25.60	ug/l	98
3) Chloromethane	1.50	50	113455	25.85	ug/l	98
4) Vinyl Chloride	1.57	62	114175	23.43	ug/l	96
5) Bromomethane	1.80	94	37383	20.38	ug/l	100
6) Chloroethane	1.89	64	37626	19.79	ug/l	100
7) Trichlorofluoromethane	2.09	101	148253	22.19	ug/l	96
8) Diethyl Ether	2.36	74	32803	23.21	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	99978	23.54	ug/l	95
10) Methyl Iodide	2.70	142	105521	21.84	ug/l	96
11) Tert butyl alcohol	3.28	59	29945	96.64	ug/l #	88
12) 1,1-Dichloroethene	2.55	96	74920	23.45	ug/l	93
13) Acrolein	2.48	56	18113	102.40	ug/l	98
14) Allyl chloride	2.94	41	170135	22.88	ug/l	97
15) Acrylonitrile	3.39	53	141063	171.69	ug/l	97
16) Acetone	2.62	43	124394	96.82	ug/l	95
17) Carbon Disulfide	2.76	76	233942	21.52	ug/l	98
18) Methyl Acetate	2.95	43	63953	23.34	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	376331	44.40	ug/l	97
20) Methylene Chloride	3.08	84	81398	21.56	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	172074	49.27	ug/l	89
22) Diisopropyl ether	4.09	45	654442	22.16	ug/l	98
23) Vinyl Acetate	4.03	43	1796641	113.46	ug/l	100
24) 1,1-Dichloroethane	3.99	63	390317	24.53	ug/l	98
25) 2-Butanone	4.86	43	312215	111.49	ug/l	97
26) 2,2-Dichloropropane	4.81	77	276456	20.75	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	214752	24.61	ug/l	98
28) Bromochloromethane	5.16	49	164631	23.08	ug/l	93
29) Tetrahydrofuran	5.20	42	161359	108.25	ug/l	98
30) Chloroform	5.34	83	394795	23.50	ug/l	93
31) Cyclohexane	5.60	56	301263	23.28	ug/l	100
32) 1,1,1-Trichloroethane	5.53	97	325088	23.42	ug/l	98
36) 1,1-Dichloropropene	5.75	75	275654	22.34	ug/l	94
37) Ethyl Acetate	4.93	43	151903	21.61	ug/l	98
38) Carbon Tetrachloride	5.73	117	271465	22.14	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	260566	21.68	ug/l	96
40) Benzene	6.03	78	647104	22.02	ug/l	99
41) Methacrylonitrile	5.13	41	73977	21.79	ug/l	95
42) 1,2-Dichloroethane	6.14	62	267847	22.60	ug/l	100
43) Isopropyl Acetate	7.62	43	200275	21.37	ug/l #	95
44) Trichloroethene	6.99	130	191416	21.69	ug/l	99
45) 1,2-Dichloropropane	7.36	63	181566	22.94	ug/l	98
46) Dibromomethane	7.47	93	121715	22.53	ug/l	98
47) Bromodichloromethane	7.75	83	281158	22.82	ug/l	97
48) Methyl methacrylate	7.51	41	118159	20.74	ug/l	99
49) 1,4-Dioxane	7.50	88	21130	410.95	ug/l	94
51) 4-Methyl-2-Pentanone	8.61	43	668911	109.42	ug/l	97
52) Toluene	8.81	92	378013	22.59	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	226807	21.17	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	276343	22.00	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	133390	22.53	ug/l	97
56) Ethyl methacrylate	9.32	69	159080	22.47	ug/l	97
57) 1,3-Dichloropropane	9.67	76	222996	22.36	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	406439	115.94	ug/l	100
59) 2-Hexanone	9.80	43	470892	106.60	ug/l	95
60) Dibromochloromethane	9.96	129	169471	21.09	ug/l	98
61) 1,2-Dibromoethane	10.10	107	149759	23.11	ug/l	100
64) Tetrachloroethene	9.52	164	200043	23.86	ug/l	93
65) Chlorobenzene	10.73	112	436893	23.44	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	154427	21.47	ug/l	99
67) Ethyl Benzene	10.86	91	727608	22.11	ug/l	99
68) m/p-Xylenes	11.02	106	494504	45.07	ug/l	98
69) o-Xylene	11.41	106	250289	23.88	ug/l	98
70) Styrene	11.43	104	418554	23.40	ug/l	95
71) Bromoform	11.60	173	127323	22.19	ug/l #	94
73) Isopropylbenzene	11.78	105	706551	23.29	ug/l	98
74) N-amyl acetate	11.65	43	253389	21.60	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	159168	22.55	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	168525	22.76	ug/l	99
77) Bromobenzene	12.04	156	205040	22.57	ug/l	86
78) n-propylbenzene	12.16	91	883324	22.55	ug/l	99
79) 2-Chlorotoluene	12.22	91	494915	22.08	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	551989	23.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	36201	20.05	ug/l	95
82) 4-Chlorotoluene	12.33	91	584403	23.91	ug/l	91
83) tert-Butylbenzene	12.57	119	616204	22.65	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	558791	21.73	ug/l	99
85) sec-Butylbenzene	12.76	105	697763	21.89	ug/l	97
86) p-Isopropyltoluene	12.89	119	574927	22.25	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	352711	22.34	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	349923	22.70	ug/l	98
89) n-Butylbenzene	13.19	91	597425	22.00	ug/l	94
90) Hexachloroethane	13.40	117	150184	22.40	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	290820	21.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	26707	23.77	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	276195	21.49	ug/l	98
94) Hexachlorobutadiene	14.43	225	204549	20.35	ug/l	96
95) Naphthalene	14.51	128	371012	21.92	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	236878	21.06	ug/l	96

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

