

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058272.D
 Acq On : 22 Jun 2018 2:27
 Operator : VA/AP
 Sample : VD0621SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Quant Time: Jun 22 02:45:57 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	897489	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1195413	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	966372	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	490327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	480191	52.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.56	113	496761	51.06	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	8.71	98	1173192	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.93	95	470182	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	216319	23.58	ug/l	98
3) Chloromethane	1.49	50	96009	22.08	ug/l	89
4) Vinyl Chloride	1.56	62	95736	20.36	ug/l	98
5) Bromomethane	1.80	94	34030	19.13	ug/l	94
6) Chloroethane	1.89	64	35552	19.39	ug/l	98
7) Trichlorofluoromethane	2.08	101	138728	21.52	ug/l	99
8) Diethyl Ether	2.35	74	28497	20.90	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.56	101	89991	21.96	ug/l	97
10) Methyl Iodide	2.69	142	98267	21.08	ug/l	95
11) Tert butyl alcohol	3.29	59	25716	86.01	ug/l	98
12) 1,1-Dichloroethene	2.55	96	68441	22.20	ug/l	92
13) Acrolein	2.48	56	17402	101.96	ug/l	93
14) Allyl chloride	2.92	41	145365	20.26	ug/l	98
15) Acrylonitrile	3.36	53	92861	117.13	ug/l	99
16) Acetone	2.63	43	114275	92.18	ug/l	94
17) Carbon Disulfide	2.76	76	206014	19.64	ug/l	98
18) Methyl Acetate	2.94	43	50299	19.02	ug/l	95
19) Methyl tert-butyl Ether	3.41	73	292988	35.83	ug/l	97
20) Methylene Chloride	3.08	84	75301	20.45	ug/l	# 84
21) trans-1,2-Dichloroethene	3.41	96	95652	28.38	ug/l	86
22) Diisopropyl ether	4.08	45	592968	20.80	ug/l	96
23) Vinyl Acetate	4.02	43	1561856	102.22	ug/l	99
24) 1,1-Dichloroethane	3.97	63	360327	23.47	ug/l	98
25) 2-Butanone	4.85	43	266635	98.68	ug/l	93
26) 2,2-Dichloropropane	4.80	77	256147	19.92	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	199513	23.69	ug/l	91
28) Bromochloromethane	5.16	49	156812	22.78	ug/l	# 98
29) Tetrahydrofuran	5.20	42	140118	97.42	ug/l	94
30) Chloroform	5.33	83	376821	23.24	ug/l	98
31) Cyclohexane	5.60	56	270739	21.28	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	294181	21.96	ug/l	95
36) 1,1-Dichloropropene	5.75	75	263438	22.28	ug/l	99
37) Ethyl Acetate	4.94	43	138488	20.55	ug/l	95
38) Carbon Tetrachloride	5.73	117	241369	20.54	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	239977	20.83	ug/l	95
40) Benzene	6.02	78	612439	21.74	ug/l	98
41) Methacrylonitrile	5.14	41	62330	19.16	ug/l #	92
42) 1,2-Dichloroethane	6.14	62	242516	21.35	ug/l	97
43) Isopropyl Acetate	7.63	43	174408	19.42	ug/l #	99
44) Trichloroethene	6.99	130	182032	21.52	ug/l	95
45) 1,2-Dichloropropane	7.35	63	166244	21.91	ug/l	99
46) Dibromomethane	7.47	93	108642	20.98	ug/l	95
47) Bromodichloromethane	7.75	83	256366	21.71	ug/l	92
48) Methyl methacrylate	7.51	41	101819	18.65	ug/l	96
49) 1,4-Dioxane	7.50	88	21426	434.76	ug/l #	72
51) 4-Methyl-2-Pentanone	8.60	43	579922	98.97	ug/l	98
52) Toluene	8.81	92	352147	21.95	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	210007	20.45	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	248156	20.61	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	118996	20.97	ug/l	93
56) Ethyl methacrylate	9.32	69	142359	20.97	ug/l	92
57) 1,3-Dichloropropane	9.66	76	206159	21.57	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.20	63	376086	111.93	ug/l	95
59) 2-Hexanone	9.79	43	414520	97.91	ug/l	97
60) Dibromochloromethane	9.96	129	155037	20.13	ug/l	98
61) 1,2-Dibromoethane	10.10	107	133442	21.48	ug/l	99
64) Tetrachloroethene	9.52	164	190824	23.47	ug/l	94
65) Chlorobenzene	10.73	112	408613	22.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	151093	21.66	ug/l	96
67) Ethyl Benzene	10.87	91	704878	22.09	ug/l	97
68) m/p-Xylenes	11.01	106	444750	41.79	ug/l	98
69) o-Xylene	11.41	106	217612	21.41	ug/l	93
70) Styrene	11.44	104	378480	21.82	ug/l	97
71) Bromoform	11.60	173	108476	19.49	ug/l	99
73) Isopropylbenzene	11.77	105	663330	22.62	ug/l	95
74) N-amyl acetate	11.64	43	233218	20.57	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	156047	22.86	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	142001	19.84	ug/l	99
77) Bromobenzene	12.05	156	198673	22.62	ug/l	97
78) n-propylbenzene	12.16	91	851813	22.49	ug/l	100
79) 2-Chlorotoluene	12.21	91	491738	22.69	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	525734	22.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	30990	17.75	ug/l	88
82) 4-Chlorotoluene	12.32	91	545061	22.85	ug/l	89
83) tert-Butylbenzene	12.58	119	557179	21.19	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	539098	21.68	ug/l	99
85) sec-Butylbenzene	12.76	105	691031	22.42	ug/l	99
86) p-Isopropyltoluene	12.88	119	523760	20.97	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	328038	21.49	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	326954	21.93	ug/l	100
89) n-Butylbenzene	13.20	91	549847	20.94	ug/l	99
90) Hexachloroethane	13.41	117	140187	21.62	ug/l	95
91) 1,2-Dichlorobenzene	13.20	146	271306	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22953	21.13	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	266885	21.48	ug/l	99
94) Hexachlorobutadiene	14.44	225	198418	20.42	ug/l	97
95) Naphthalene	14.52	128	363031	22.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	224341	20.63	ug/l	98

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

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