

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059390.D
 Acq On : 25 Jun 2018 1:46
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 25 06:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	905229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1214601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	945721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	491760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	650500	71.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.86%	
35) Dibromofluoromethane	5.56	113	678907	68.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.94%	
50) Toluene-d8	8.72	98	1544228	65.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.56%	
62) 4-Bromofluorobenzene	11.94	95	647216	66.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	508496	56.29	ug/l	99
3) Chloromethane	1.49	50	259230	58.10	ug/l	# 77
4) Vinyl Chloride	1.56	62	297917	63.76	ug/l	94
5) Bromomethane	1.80	94	108549	62.79	ug/l	97
6) Chloroethane	1.89	64	122953	70.15	ug/l	96
7) Trichlorofluoromethane	2.08	101	430786	65.89	ug/l	95
8) Diethyl Ether	2.35	74	101753	74.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	266870	64.98	ug/l	94
10) Methyl Iodide	2.69	142	360718	76.64	ug/l	99
11) Tert butyl alcohol	3.27	59	120845	392.56	ug/l	# 93
12) 1,1-Dichloroethene	2.55	96	202927	66.06	ug/l	100
13) Acrolein	2.48	56	94445	479.69	ug/l	85
14) Allyl chloride	2.93	41	469357	66.16	ug/l	97
15) Acrylonitrile	3.36	53	333569	405.86	ug/l	98
16) Acetone	2.62	43	373815	308.00	ug/l	94
17) Carbon Disulfide	2.76	76	616001	59.52	ug/l	97
18) Methyl Acetate	2.94	43	177657	66.65	ug/l	# 91
19) Methyl tert-butyl Ether	3.41	73	1023295	111.07	ug/l	99
20) Methylene Chloride	3.08	84	219715	57.07	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	369801	99.19	ug/l	93
22) Diisopropyl ether	4.08	45	1720712	61.20	ug/l	99
23) Vinyl Acetate	4.03	43	4599606	308.28	ug/l	100
24) 1,1-Dichloroethane	3.98	63	979354	64.25	ug/l	98
25) 2-Butanone	4.85	43	836841	317.39	ug/l	99
26) 2,2-Dichloropropane	4.81	77	772245	60.88	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	558071	66.14	ug/l	98
28) Bromochloromethane	5.16	49	434723	63.81	ug/l	91
29) Tetrahydrofuran	5.19	42	427426	304.47	ug/l	95
30) Chloroform	5.33	83	1070828	66.14	ug/l	94
31) Cyclohexane	5.60	56	660507	51.23	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	882779	65.93	ug/l	97
36) 1,1-Dichloropropene	5.76	75	685457	57.96	ug/l	99
37) Ethyl Acetate	4.94	43	401103	60.14	ug/l	98
38) Carbon Tetrachloride	5.74	117	761315	64.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	676278	59.00	ug/l	97
40) Benzene	6.02	78	1625562	57.46	ug/l	99
41) Methacrylonitrile	5.14	41	213002	64.50	ug/l	92
42) 1,2-Dichloroethane	6.14	62	756165	65.83	ug/l	95
43) Isopropyl Acetate	7.63	43	582476	66.01	ug/l #	96
44) Trichloroethene	6.99	130	548643	64.25	ug/l	96
45) 1,2-Dichloropropane	7.36	63	484265	64.18	ug/l	95
46) Dibromomethane	7.47	93	346197	66.59	ug/l	89
47) Bromodichloromethane	7.75	83	790449	65.77	ug/l	95
48) Methyl methacrylate	7.51	41	338515	63.00	ug/l	98
49) 1,4-Dioxane	7.50	88	68564	1411.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.61	43	1775808	306.76	ug/l	99
52) Toluene	8.81	92	978719	60.58	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	697976	67.91	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	753487	63.01	ug/l	100
55) 1,1,2-Trichloroethane	9.47	97	372354	65.08	ug/l	92
56) Ethyl methacrylate	9.32	69	430164	63.79	ug/l	99
57) 1,3-Dichloropropane	9.67	76	604852	62.72	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	1021245	305.33	ug/l	99
59) 2-Hexanone	9.79	43	1315032	312.52	ug/l	97
60) Dibromochloromethane	9.97	129	555704	71.41	ug/l	97
61) 1,2-Dibromoethane	10.11	107	418769	67.31	ug/l	97
64) Tetrachloroethene	9.53	164	565875	71.16	ug/l	99
65) Chlorobenzene	10.73	112	1125830	64.02	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	456891	66.73	ug/l	97
67) Ethyl Benzene	10.86	91	1855757	59.68	ug/l	98
68) m/p-Xylenes	11.02	106	1269742	122.94	ug/l	96
69) o-Xylene	11.42	106	624724	62.57	ug/l	99
70) Styrene	11.44	104	1045218	61.48	ug/l	96
71) Bromoform	11.60	173	424652	78.64	ug/l	98
73) Isopropylbenzene	11.78	105	1810579	62.08	ug/l	99
74) N-amyl acetate	11.65	43	716846	65.14	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	437917	65.43	ug/l	96
76) 1,2,3-Trichloropropane	12.12	75	460396	65.57	ug/l	100
77) Bromobenzene	12.05	156	602995	68.76	ug/l	90
78) n-propylbenzene	12.15	91	2402948	64.22	ug/l	97
79) 2-Chlorotoluene	12.22	91	1361340	63.39	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1463628	64.67	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	115133	68.61	ug/l	83
82) 4-Chlorotoluene	12.33	91	1494158	61.99	ug/l	94
83) tert-Butylbenzene	12.58	119	1633011	63.03	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	1579154	64.03	ug/l	95
85) sec-Butylbenzene	12.76	105	1942086	63.73	ug/l	96
86) p-Isopropyltoluene	12.89	119	1582580	63.92	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	971478	64.29	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	932879	63.23	ug/l	97
89) n-Butylbenzene	13.20	91	1502691	58.54	ug/l	98
90) Hexachloroethane	13.40	117	443212	69.51	ug/l	85
91) 1,2-Dichlorobenzene	13.20	146	789780	61.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	76574	71.52	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	784480	64.68	ug/l	95
94) Hexachlorobutadiene	14.44	225	594525	62.07	ug/l	98
95) Naphthalene	14.52	128	1040766	65.26	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	699823	65.38	ug/l	95

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

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