

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059583.D
 Acq On : 25 Jul 2018 11:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 26 04:26:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	157326	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	199456	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	164563	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	84464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	99611	50.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	5.52	113	90425	52.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	8.69	98	193652	49.90	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.93	95	90321	51.66	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	82884	47.50	ug/l	99
3) Chloromethane	1.47	50	41603	42.31	ug/l	99
4) Vinyl Chloride	1.54	62	50856	49.70	ug/l	98
5) Bromomethane	1.77	94	12176	62.02	ug/l	82
6) Chloroethane	1.85	64	28390	94.84	ug/l	93
7) Trichlorofluoromethane	2.05	101	95272	54.57	ug/l	94
8) Diethyl Ether	2.33	74	17295	52.26	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.52	101	47172	51.28	ug/l	89
10) Methyl Iodide	2.67	142	59298	49.69	ug/l	98
11) Tert butyl alcohol	3.24	59	18116	229.59	ug/l	99
12) 1,1-Dichloroethene	2.52	96	35178	52.76	ug/l	97
13) Acrolein	2.45	56	10692	263.02	ug/l	94
14) Allyl chloride	2.90	41	83350	51.56	ug/l	99
15) Acrylonitrile	3.33	53	46318	270.66	ug/l	94
16) Acetone	2.59	43	87771	293.85	ug/l	99
17) Carbon Disulfide	2.73	76	137189	51.80	ug/l	98
18) Methyl Acetate	2.91	43	30499	51.06	ug/l	98
19) Methyl tert-butyl Ether	3.38	73	159851	71.53	ug/l	97
20) Methylene Chloride	3.05	84	41697	48.96	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	50021	69.57	ug/l	87
22) Diisopropyl ether	4.05	45	195193	45.92	ug/l	98
23) Vinyl Acetate	3.99	43	627059	232.42	ug/l	100
24) 1,1-Dichloroethane	3.94	63	129054	48.09	ug/l	98
25) 2-Butanone	4.82	43	111248	244.23	ug/l	98
26) 2,2-Dichloropropane	4.78	77	147364	53.62	ug/l	100
27) cis-1,2-Dichloroethene	4.78	96	71390	49.71	ug/l	92
28) Bromochloromethane	5.12	49	53790	50.66	ug/l	99
29) Tetrahydrofuran	5.16	42	49039	232.51	ug/l	99
30) Chloroform	5.30	83	157598	49.10	ug/l	97
31) Cyclohexane	5.57	56	88495	51.56	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	161631	52.01	ug/l	98
36) 1,1-Dichloropropene	5.72	75	104772	52.35	ug/l	95
37) Ethyl Acetate	4.91	43	52549	51.04	ug/l	98
38) Carbon Tetrachloride	5.70	117	146788	53.56	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	90407	49.12	ug/l	98
40) Benzene	6.00	78	206312	50.27	ug/l	98
41) Methacrylonitrile	5.10	41	25112	48.88	ug/l	93
42) 1,2-Dichloroethane	6.11	62	126920	51.32	ug/l	100
43) Isopropyl Acetate	7.60	43	69259	48.51	ug/l	100
44) Trichloroethene	6.96	130	74951	50.35	ug/l	100
45) 1,2-Dichloropropane	7.34	63	58422	50.83	ug/l	99
46) Dibromomethane	7.44	93	50228	51.70	ug/l	96
47) Bromodichloromethane	7.73	83	120853	52.08	ug/l	95
48) Methyl methacrylate	7.49	41	50180	53.00	ug/l	97
49) 1,4-Dioxane	7.47	88	8794	993.09	ug/l	88
51) 4-Methyl-2-Pentanone	8.58	43	219394	230.13	ug/l	98
52) Toluene	8.79	92	133344	49.00	ug/l	93
53) t-1,3-Dichloropropene	9.17	75	109113	52.13	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	105861	50.94	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	48098	47.04	ug/l	98
56) Ethyl methacrylate	9.30	69	64059	55.22	ug/l	98
57) 1,3-Dichloropropane	9.66	76	80049	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.17	63	138444	253.99	ug/l	97
59) 2-Hexanone	9.77	43	179655	237.25	ug/l	99
60) Dibromochloromethane	9.94	129	86541	50.98	ug/l	99
61) 1,2-Dibromoethane	10.08	107	61019	50.36	ug/l	94
64) Tetrachloroethene	9.50	164	74099	49.69	ug/l	95
65) Chlorobenzene	10.71	112	160152	47.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	71512	48.73	ug/l	100
67) Ethyl Benzene	10.85	91	283399	48.87	ug/l	100
68) m/p-Xylenes	11.00	106	188848	97.51	ug/l	97
69) o-Xylene	11.40	106	88183	46.92	ug/l	88
70) Styrene	11.43	104	151176	48.52	ug/l	99
71) Bromoform	11.59	173	61444	51.42	ug/l	93
73) Isopropylbenzene	11.77	105	279121	46.78	ug/l	99
74) N-amyl acetate	11.63	43	93429	45.70	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	58011	47.62	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	67942	48.64	ug/l	98
77) Bromobenzene	12.04	156	81732	46.79	ug/l	85
78) n-propylbenzene	12.15	91	347132	47.88	ug/l	97
79) 2-Chlorotoluene	12.21	91	209568	48.48	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	230026	48.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	18134	50.78	ug/l	95
82) 4-Chlorotoluene	12.32	91	235163	48.11	ug/l	97
83) tert-Butylbenzene	12.57	119	259590	48.95	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	234307	46.79	ug/l	98
85) sec-Butylbenzene	12.76	105	287611	47.46	ug/l	99
86) p-Isopropyltoluene	12.88	119	245134	47.99	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	139363	47.17	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	133938	47.06	ug/l	97
89) n-Butylbenzene	13.19	91	217764	44.16	ug/l	99
90) Hexachloroethane	13.39	117	69027	50.57	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	109694	44.25	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12374	50.38	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	101081	49.24	ug/l	95
94) Hexachlorobutadiene	14.43	225	78010	48.18	ug/l	99
95) Naphthalene	14.51	128	137849	47.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	88553	47.67	ug/l	99

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

