

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059648.D
 Acq On : 31 Jul 2018 12:04
 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 31 12:28:58 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	168825	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	207872	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	166462	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	90990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	112984	53.23	ug/l	0.01
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	5.53	113	98555	55.27	ug/l	0.02
Spiked Amount			Recovery	=	110.54%	
50) Toluene-d8	8.69	98	199375	49.29	ug/l	0.01
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.92	95	94704	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	88975	47.518	ug/l	98
3) Chloromethane	1.48	50	48280	45.756	ug/l	97
4) Vinyl Chloride	1.55	62	56886	51.806	ug/l	98
5) Bromomethane	1.78	94	11766	55.852	ug/l	80
6) Chloroethane	1.86	64	32040	99.743	ug/l	100
7) Trichlorofluoromethane	2.07	101	109336	58.365	ug/l	98
8) Diethyl Ether	2.34	74	18536	52.203	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.54	101	53142	53.838	ug/l	96
10) Methyl Iodide	2.68	142	57198	44.849	ug/l	92
11) Tert butyl alcohol	3.24	59	21153	249.822	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	38523	53.842	ug/l	98
13) Acrolein	2.45	56	6290	144.193	ug/l #	81
14) Allyl chloride	2.91	41	84570	48.749	ug/l	95
15) Acrylonitrile	3.34	53	49019	266.938	ug/l	92
16) Acetone	2.59	43	93878	292.888	ug/l	99
17) Carbon Disulfide	2.74	76	122286	43.030	ug/l	98
18) Methyl Acetate	2.92	43	32159	50.173	ug/l	95
19) Methyl tert-butyl Ether	3.39	73	182531	76.114	ug/l	98
20) Methylene Chloride	3.05	84	41557	45.471	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	57614	74.677	ug/l	94
22) Diisopropyl ether	4.05	45	228992	50.198	ug/l	89
23) Vinyl Acetate	4.00	43	738400	255.042	ug/l	100
24) 1,1-Dichloroethane	3.95	63	141971	49.299	ug/l	98
25) 2-Butanone	4.82	43	120348	246.217	ug/l	98
26) 2,2-Dichloropropane	4.78	77	160750	54.505	ug/l	96
27) cis-1,2-Dichloroethene	4.79	96	75330	48.882	ug/l	90
28) Bromochloromethane	5.13	49	56644	49.710	ug/l	93
29) Tetrahydrofuran	5.16	42	54165	239.327	ug/l	99
30) Chloroform	5.31	83	182926	53.109	ug/l	98
31) Cyclohexane	5.57	56	92779	50.233	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	176323	52.877	ug/l	99
36) 1,1-Dichloropropene	5.73	75	115148	55.203	ug/l	97
37) Ethyl Acetate	4.90	43	61649	57.455	ug/l	99
38) Carbon Tetrachloride	5.71	117	160801	56.297	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	98397	51.298	ug/l	99
40) Benzene	6.00	78	218074	50.981	ug/l	100
41) Methacrylonitrile	5.10	41	27679	51.691	ug/l	95
42) 1,2-Dichloroethane	6.10	62	150512	58.401	ug/l	98
43) Isopropyl Acetate	7.60	43	79669	53.545	ug/l	100
44) Trichloroethene	6.96	130	82171	52.962	ug/l	100
45) 1,2-Dichloropropane	7.33	63	62647	52.297	ug/l	94
46) Dibromomethane	7.44	93	53761	53.096	ug/l	98
47) Bromodichloromethane	7.73	83	137557	56.881	ug/l	99
48) Methyl methacrylate	7.49	41	58585	59.372	ug/l	93
49) 1,4-Dioxane	7.48	88	9522	1030.904	ug/l #	84
51) 4-Methyl-2-Pentanone	8.58	43	261090	262.777	ug/l	99
52) Toluene	8.79	92	143752	50.681	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	121604	55.751	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	115594	53.367	ug/l	95
55) 1,1,2-Trichloroethane	9.44	97	54965	51.581	ug/l	95
56) Ethyl methacrylate	9.30	69	66524	55.024	ug/l	94
57) 1,3-Dichloropropane	9.66	76	91728	54.174	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	160784	283.029	ug/l	100
59) 2-Hexanone	9.77	43	202626	256.750	ug/l	96
60) Dibromochloromethane	9.94	129	96505	54.552	ug/l	97
61) 1,2-Dibromoethane	10.08	107	67951	53.810	ug/l	100
64) Tetrachloroethene	9.50	164	78228	51.859	ug/l	96
65) Chlorobenzene	10.71	112	173163	50.746	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.84	131	82492	55.576	ug/l	97
67) Ethyl Benzene	10.85	91	317891	54.193	ug/l	97
68) m/p-Xylenes	11.00	106	205518	104.906	ug/l	92
69) o-Xylene	11.40	106	100940	53.099	ug/l	95
70) Styrene	11.43	104	170994	54.251	ug/l	100
71) Bromoform	11.59	173	66895	55.347	ug/l	98
73) Isopropylbenzene	11.76	105	314841	48.980	ug/l	100
74) N-amyl acetate	11.63	43	107527	48.823	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	62990	47.998	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	73374	48.763	ug/l	97
77) Bromobenzene	12.04	156	93830	49.865	ug/l	83
78) n-propylbenzene	12.14	91	377244	48.302	ug/l	95
79) 2-Chlorotoluene	12.20	91	232573	49.947	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	259169	51.067	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	19414	50.464	ug/l	94
82) 4-Chlorotoluene	12.32	91	267146	50.731	ug/l	96
83) tert-Butylbenzene	12.57	119	287932	50.395	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	275651	51.095	ug/l	97
85) sec-Butylbenzene	12.75	105	320676	49.116	ug/l	99
86) p-Isopropyltoluene	12.88	119	280606	50.997	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	158164	49.698	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	152549	49.754	ug/l	99
89) n-Butylbenzene	13.19	91	275110	51.786	ug/l	99
90) Hexachloroethane	13.39	117	74789	50.866	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	128174	48.000	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	14753	55.761	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	113259	51.219	ug/l	100
94) Hexachlorobutadiene	14.43	225	90747	52.025	ug/l	99
95) Naphthalene	14.51	128	154068	48.990	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	99922	49.937	ug/l	98

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

