

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063146.D
 Acq On : 19 Jul 2019 11:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:42:53 AM

Quant Time: Jul 20 05:09:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	772952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1116025	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	868904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	509348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	463913	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	6.92	113	521288	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.41	98	1118967	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	13.56	95	518876	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	404030	49.121	ug/l	99
3) Chloromethane	1.74	50	351380	50.238	ug/l	96
4) Vinyl Chloride	1.84	62	359333	43.558	ug/l	99
5) Bromomethane	2.15	94	174678	55.934	ug/l	99
6) Chloroethane	2.26	64	192336	50.191	ug/l	91
7) Trichlorofluoromethane	2.52	101	784180	46.957	ug/l	93
8) Diethyl Ether	2.87	74	121281	51.627	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	453446	47.089	ug/l	98
10) Methyl Iodide	3.29	142	627349	53.067	ug/l	97
11) Tert butyl alcohol	4.07	59	141717	255.035	ug/l	96
12) 1,1-Dichloroethene	3.11	96	335292	49.033	ug/l	96
13) Acrolein	3.02	56	16863	100.547	ug/l	93
14) Allyl chloride	3.61	41	555860	51.722	ug/l	93
15) Acrylonitrile	4.19	53	334072	271.972	ug/l	92
16) Acetone	3.21	43	699483	300.777	ug/l	94
17) Carbon Disulfide	3.36	76	873239	44.615	ug/l	99
18) Methyl Acetate	3.63	43	186347	59.927	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	938421	54.365	ug/l	99
20) Methylene Chloride	3.80	84	414533	47.181	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	380040	50.065	ug/l	91
22) Diisopropyl ether	5.11	45	1208839	51.735	ug/l	96
23) Vinyl Acetate	5.05	43	3847413	282.233	ug/l	98
24) 1,1-Dichloroethane	4.97	63	772730	53.688	ug/l	97
25) 2-Butanone	6.07	43	603663	271.829	ug/l	96
26) 2,2-Dichloropropane	6.02	77	742336	46.602	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	430281	49.829	ug/l	93
28) Bromochloromethane	6.43	49	267881	51.301	ug/l	97
29) Tetrahydrofuran	6.45	42	272785	270.975	ug/l	96
30) Chloroform	6.66	83	910785	51.381	ug/l	98
31) Cyclohexane	6.94	56	419529	45.769	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	881769	50.446	ug/l	98
36) 1,1-Dichloropropene	7.14	75	575517	45.852	ug/l	96
37) Ethyl Acetate	6.17	43	277649	51.686	ug/l	99
38) Carbon Tetrachloride	7.10	117	852214m	44.683	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	466767	43.014	ug/l	97
40) Benzene	7.44	78	1195726	45.485	ug/l	98
41) Methacrylonitrile	6.44	41	376469	51.692	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	673181	48.065	ug/l	100
43) Isopropyl Acetate	9.24	43	357256	46.399	ug/l #	97
44) Trichloroethene	8.54	130	499025	49.119	ug/l	95
45) 1,2-Dichloropropane	8.93	63	322817	49.253	ug/l	92
46) Dibromomethane	9.06	93	265100	47.068	ug/l	91
47) Bromodichloromethane	9.37	83	712039	48.446	ug/l	98
48) Methyl methacrylate	9.12	41	259302	51.282	ug/l	95
49) 1,4-Dioxane	9.09	88	44180	1013.135	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	1322328	258.931	ug/l	100
52) Toluene	10.51	92	792627	45.152	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	613421	48.715	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	607872	46.688	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	303777	50.074	ug/l	99
56) Ethyl methacrylate	11.04	69	354711	52.331	ug/l	97
57) 1,3-Dichloropropane	11.40	76	454935	49.282	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	834482	221.105	ug/l	100
59) 2-Hexanone	11.53	43	1048003	266.094	ug/l	98
60) Dibromochloromethane	11.69	129	558709	48.045	ug/l	94
61) 1,2-Dibromoethane	11.80	107	371752	51.194	ug/l	93
64) Tetrachloroethene	11.25	164	400113	47.456	ug/l	97
65) Chlorobenzene	12.40	112	1026125	50.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	495934	52.370	ug/l	97
67) Ethyl Benzene	12.52	91	1750692	49.330	ug/l	98
68) m/p-Xylenes	12.66	106	1294026	101.801	ug/l	98
69) o-Xylene	13.04	106	614065	50.947	ug/l	98
70) Styrene	13.07	104	1089453	51.638	ug/l	96
71) Bromoform	13.23	173	363944	54.895	ug/l	99
73) Isopropylbenzene	13.40	105	1834595	46.640	ug/l	98
74) N-amyl acetate	13.26	43	514476	46.897	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	344252	48.101	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	379011	48.373	ug/l	95
77) Bromobenzene	13.67	156	522933	46.879	ug/l	83
78) n-propylbenzene	13.77	91	2032843	44.909	ug/l	99
79) 2-Chlorotoluene	13.84	91	1160046	42.385	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1542942	45.006	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	97674	47.339	ug/l	97
82) 4-Chlorotoluene	13.94	91	1470353	46.006	ug/l	91
83) tert-Butylbenzene	14.19	119	1681212	43.371	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1644388	48.112	ug/l	97
85) sec-Butylbenzene	14.36	105	1896550	46.049	ug/l	97
86) p-Isopropyltoluene	14.49	119	1726792	44.944	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	930127	46.691	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	911198	47.712	ug/l	96
89) n-Butylbenzene	14.80	91	1612673	45.539	ug/l	98
90) Hexachloroethane	15.00	117	474958	46.242	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	852385	48.052	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65350	47.638	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	643530	48.288	ug/l	98
94) Hexachlorobutadiene	16.04	225	472025	48.052	ug/l	95
95) Naphthalene	16.13	128	908752	46.616	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	514334	47.975	ug/l	99

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

