

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062998.D
 Acq On : 1 Jul 2019 18:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:15:48 AM

Quant Time: Jul 02 08:16:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	964712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1362477	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1092176	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	574941	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	473987	45.20	ug/l	-0.01
Spiked Amount			Recovery	=	90.40%	
35) Dibromofluoromethane	6.92	113	498861	43.42	ug/l	-0.01
Spiked Amount			Recovery	=	86.84%	
50) Toluene-d8	10.42	98	1043030	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	
62) 4-Bromofluorobenzene	13.56	95	482146	42.41	ug/l	0.00
Spiked Amount			Recovery	=	84.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	527247	42.235	ug/l	100
3) Chloromethane	1.74	50	421408	44.885	ug/l	98
4) Vinyl Chloride	1.84	62	438758	47.134	ug/l	99
5) Bromomethane	2.15	94	226443	51.944	ug/l	96
6) Chloroethane	2.26	64	226492	53.743	ug/l	98
7) Trichlorofluoromethane	2.53	101	956410	50.768	ug/l	100
8) Diethyl Ether	2.87	74	116937	48.853	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	523166	51.260	ug/l	97
10) Methyl Iodide	3.30	142	737840	54.798	ug/l	97
11) Tert butyl alcohol	4.08	59	126552	264.978	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	387723	50.641	ug/l	91
13) Acrolein	3.03	56	102912	211.072	ug/l	100
14) Allyl chloride	3.61	41	618133	54.640	ug/l	95
15) Acrylonitrile	4.19	53	323412	288.191	ug/l	94
16) Acetone	3.22	43	538190	253.173	ug/l #	93
17) Carbon Disulfide	3.37	76	1156373	47.258	ug/l	96
18) Methyl Acetate	3.64	43	185299	58.536	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	883068	53.279	ug/l	98
20) Methylene Chloride	3.81	84	438954	54.888	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	425003	52.133	ug/l	97
22) Diisopropyl ether	5.12	45	1274527	55.398	ug/l	98
23) Vinyl Acetate	5.06	43	3921717	272.412	ug/l	98
24) 1,1-Dichloroethane	4.98	63	802166	53.552	ug/l	98
25) 2-Butanone	6.07	43	549056	279.952	ug/l	94
26) 2,2-Dichloropropane	6.02	77	825413	51.988	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	468308	54.322	ug/l	94
28) Bromochloromethane	6.44	49	286250	54.259	ug/l	97
29) Tetrahydrofuran	6.46	42	251362	270.881	ug/l	98
30) Chloroform	6.66	83	951458	52.229	ug/l	90
31) Cyclohexane	6.95	56	491561	49.918	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	953096	50.231	ug/l	94
36) 1,1-Dichloropropene	7.15	75	630960	48.920	ug/l	95
37) Ethyl Acetate	6.19	43	268406	49.529	ug/l	96
38) Carbon Tetrachloride	7.11	117	942734m	48.600	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	539114	47.486	ug/l	98
40) Benzene	7.45	78	1401817	54.146	ug/l	99
41) Methacrylonitrile	6.46	41	341808	50.253	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	707426	50.089	ug/l	98
43) Isopropyl Acetate	9.24	43	356043	52.655	ug/l	99
44) Trichloroethene	8.55	130	538488	53.053	ug/l	87
45) 1,2-Dichloropropane	8.94	63	327207	50.827	ug/l	96
46) Dibromomethane	9.06	93	283172	51.206	ug/l	93
47) Bromodichloromethane	9.37	83	720817	50.189	ug/l	99
48) Methyl methacrylate	9.13	41	244452	50.873	ug/l	93
49) 1,4-Dioxane	9.09	88	40170	1004.815	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	1209250	252.236	ug/l	97
52) Toluene	10.51	92	890690	51.180	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	620842	52.814	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	671998	52.595	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	307801	51.480	ug/l	94
56) Ethyl methacrylate	11.05	69	339660	53.157	ug/l	94
57) 1,3-Dichloropropane	11.41	76	462637	50.534	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	882499	269.022	ug/l	98
59) 2-Hexanone	11.54	43	864726	253.264	ug/l	99
60) Dibromochloromethane	11.69	129	563198	50.571	ug/l	98
61) 1,2-Dibromoethane	11.80	107	380873	53.936	ug/l	95
64) Tetrachloroethene	11.26	164	457279	50.872	ug/l	97
65) Chlorobenzene	12.40	112	1137515	56.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	504009	53.170	ug/l	92
67) Ethyl Benzene	12.52	91	1933537	53.131	ug/l	99
68) m/p-Xylenes	12.67	106	1373985	108.402	ug/l	99
69) o-Xylene	13.05	106	618153	53.350	ug/l	96
70) Styrene	13.07	104	1128867	55.468	ug/l	94
71) Bromoform	13.23	173	348644	53.682	ug/l #	95
73) Isopropylbenzene	13.40	105	1997526	54.186	ug/l	98
74) N-amyl acetate	13.26	43	519429	58.021	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	341448	56.847	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	385688	58.109	ug/l	99
77) Bromobenzene	13.67	156	551062	55.576	ug/l	88
78) n-propylbenzene	13.77	91	2392258	55.755	ug/l	96
79) 2-Chlorotoluene	13.84	91	1376178	56.124	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1610696	52.017	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	104023	59.799	ug/l	91
82) 4-Chlorotoluene	13.95	91	1553858	52.637	ug/l	96
83) tert-Butylbenzene	14.19	119	1919484	55.614	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1705489	53.738	ug/l	97
85) sec-Butylbenzene	14.37	105	1928159	51.400	ug/l	98
86) p-Isopropyltoluene	14.49	119	1900254	55.372	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	955303	53.747	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	982227	55.020	ug/l	96
89) n-Butylbenzene	14.80	91	1723120	53.645	ug/l	96
90) Hexachloroethane	15.00	117	523552	56.740	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	827788	54.434	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	67418	57.508	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	638942	53.787	ug/l	97
94) Hexachlorobutadiene	16.04	225	480381	52.933	ug/l	94
95) Naphthalene	16.13	128	965822	58.008	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	496715	54.421	ug/l	97

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

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