

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065042.D
 Acq On : 31 Jan 2020 19:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:34 AM

Quant Time: Feb 03 00:56:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	425709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	638734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	591265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292230	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	220144	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.92	113	211286	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.34	98	803140	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.64	95	254403	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	159176	49.632	ug/l	99
3) Chloromethane	2.21	50	234267	49.840	ug/l	97
4) Vinyl Chloride	2.35	62	264666	49.025	ug/l	99
5) Bromomethane	2.77	94	175635	48.364	ug/l	99
6) Chloroethane	2.93	64	174847	49.126	ug/l	98
7) Trichlorofluoromethane	3.27	101	403990	48.454	ug/l	98
8) Diethyl Ether	3.71	74	100828	53.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	198126	51.076	ug/l	98
10) Methyl Iodide	4.30	142	214673	52.137	ug/l	100
11) Tert butyl alcohol	5.25	59	58125	257.583	ug/l	99
12) 1,1-Dichloroethene	4.06	96	191311	51.626	ug/l	99
13) Acrolein	3.93	56	85016	300.534	ug/l	98
14) Allyl chloride	4.71	41	317966	53.799	ug/l	98
15) Acrylonitrile	5.43	53	228267	280.058	ug/l	99
16) Acetone	4.17	43	255995	267.764	ug/l	97
17) Carbon Disulfide	4.40	76	599511	49.157	ug/l	98
18) Methyl Acetate	4.73	43	105547	55.189	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	467668	56.482	ug/l	94
20) Methylene Chloride	4.96	84	228974	58.788	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	225190	52.745	ug/l	95
22) Diisopropyl ether	6.37	45	678387	57.594	ug/l	98
23) Vinyl Acetate	6.31	43	1906551	276.462	ug/l	98
24) 1,1-Dichloroethane	6.27	63	395267	54.656	ug/l	96
25) 2-Butanone	7.22	43	310562	281.508	ug/l	97
26) 2,2-Dichloropropane	7.21	77	339270	51.720	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248660	54.567	ug/l	99
28) Bromochloromethane	7.55	49	166465	57.556	ug/l	99
29) Tetrahydrofuran	7.57	42	187370	275.268	ug/l	99
30) Chloroform	7.71	83	408347	54.623	ug/l	98
31) Cyclohexane	7.99	56	346250	48.670	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	366238	52.661	ug/l	100
36) 1,1-Dichloropropene	8.11	75	313971	50.976	ug/l	98
37) Ethyl Acetate	7.30	43	137032	53.863	ug/l	99
38) Carbon Tetrachloride	8.10	117	330650	50.791	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	368537	51.180	ug/l	98
40) Benzene	8.36	78	895319	52.780	ug/l	99
41) Methacrylonitrile	7.53	41	75523	55.106	ug/l	88
42) 1,2-Dichloroethane	8.43	62	267136	52.866	ug/l	99
43) Isopropyl Acetate	8.46	43	262426	54.303	ug/l	99
44) Trichloroethene	9.11	130	246632	51.950	ug/l	98
45) 1,2-Dichloropropane	9.39	63	222355	54.071	ug/l	97
46) Dibromomethane	9.48	93	121292	54.024	ug/l	98
47) Bromodichloromethane	9.67	83	320473	54.856	ug/l	99
48) Methyl methacrylate	9.46	41	124652	56.051	ug/l	98
49) 1,4-Dioxane	9.47	88	27377	1051.396	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	673314	278.452	ug/l	99
52) Toluene	10.41	92	576385	52.702	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	299847	53.882	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	360075	55.265	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	162650	53.783	ug/l	98
56) Ethyl methacrylate	10.67	69	209132	57.828	ug/l	100
57) 1,3-Dichloropropane	10.95	76	279471	53.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	311289	259.093	ug/l	100
59) 2-Hexanone	10.99	43	486436	291.644	ug/l	99
60) Dibromochloromethane	11.14	129	221711	54.851	ug/l	99
61) 1,2-Dibromoethane	11.25	107	157693	54.153	ug/l	97
64) Tetrachloroethene	10.88	164	243637	57.022	ug/l	99
65) Chlorobenzene	11.67	112	610161	50.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	236993	52.492	ug/l	99
67) Ethyl Benzene	11.75	91	1114227	52.280	ug/l	99
68) m/p-Xylenes	11.86	106	867989	105.777	ug/l	99
69) o-Xylene	12.18	106	388301	53.318	ug/l	100
70) Styrene	12.20	104	709201	54.666	ug/l	100
71) Bromoform	12.37	173	128890	51.357	ug/l #	99
73) Isopropylbenzene	12.48	105	1048410	52.490	ug/l	99
74) N-amyl acetate	12.30	43	240136	53.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	171685	51.143	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122074m	50.329	ug/l	
77) Bromobenzene	12.77	156	255350	52.250	ug/l	99
78) n-propylbenzene	12.83	91	1235134	51.998	ug/l	99
79) 2-Chlorotoluene	12.91	91	680459	52.219	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	874093	53.402	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	56276	49.541	ug/l	96
82) 4-Chlorotoluene	13.01	91	717115	51.892	ug/l	99
83) tert-Butylbenzene	13.23	119	720435	51.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	881051	53.135	ug/l	99
85) sec-Butylbenzene	13.41	105	1025461	52.139	ug/l	99
86) p-Isopropyltoluene	13.53	119	969128	52.658	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	486080	51.839	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	473590	50.888	ug/l	100
89) n-Butylbenzene	13.86	91	883317	52.592	ug/l	99
90) Hexachloroethane	14.13	117	182085	51.304	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	411615	51.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28937	53.864	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	288273	52.344	ug/l	99
94) Hexachlorobutadiene	15.28	225	175589	50.407	ug/l	97
95) Naphthalene	15.41	128	487916	54.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	250687	52.499	ug/l	98

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

