

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065157.D
 Acq On : 12 Feb 2020 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:51 AM

Quant Time: Feb 13 06:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	705245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208285	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	215609	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	10.34	98	850892	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.64	95	262131	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209570	51.425	ug/l	99
3) Chloromethane	2.21	50	254477	53.047	ug/l	97
4) Vinyl Chloride	2.35	62	273508	53.910	ug/l	99
5) Bromomethane	2.77	94	161042	48.955	ug/l	97
6) Chloroethane	2.93	64	168105	53.416	ug/l	95
7) Trichlorofluoromethane	3.27	101	391329	53.002	ug/l	97
8) Diethyl Ether	3.71	74	101567	47.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	235259	52.123	ug/l	99
10) Methyl Iodide	4.30	142	256246	49.740	ug/l	98
11) Tert butyl alcohol	5.24	59	48451	190.526	ug/l	99
12) 1,1-Dichloroethene	4.06	96	218085	50.450	ug/l	99
13) Acrolein	3.92	56	67063	214.407	ug/l	98
14) Allyl chloride	4.71	41	356344	49.600	ug/l	99
15) Acrylonitrile	5.43	53	218431	235.720	ug/l	100
16) Acetone	4.16	43	279572	268.662	ug/l	97
17) Carbon Disulfide	4.40	76	720309	51.897	ug/l	99
18) Methyl Acetate	4.73	43	99586	45.805	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442344	46.274	ug/l	99
20) Methylene Chloride	4.96	84	235418	51.497	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	252759	51.681	ug/l	97
22) Diisopropyl ether	6.37	45	697477	51.469	ug/l	97
23) Vinyl Acetate	6.31	43	1886085	249.703	ug/l	99
24) 1,1-Dichloroethane	6.27	63	428316	52.218	ug/l	100
25) 2-Butanone	7.22	43	303447	244.461	ug/l	99
26) 2,2-Dichloropropane	7.21	77	386139	52.521	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263538	50.722	ug/l	99
28) Bromochloromethane	7.55	49	168791	54.285	ug/l	98
29) Tetrahydrofuran	7.57	42	172057	229.210	ug/l	98
30) Chloroform	7.71	83	428697	52.490	ug/l	99
31) Cyclohexane	7.98	56	406427	49.086	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	399231	52.475	ug/l	99
36) 1,1-Dichloropropene	8.11	75	356231	54.322	ug/l	99
37) Ethyl Acetate	7.30	43	124708	46.549	ug/l	99
38) Carbon Tetrachloride	8.10	117	369670	55.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428551	52.945	ug/l	97
40) Benzene	8.36	78	977187	53.961	ug/l	99
41) Methacrylonitrile	7.53	41	61404	41.603	ug/l	92
42) 1,2-Dichloroethane	8.43	62	260704	50.525	ug/l	98
43) Isopropyl Acetate	8.46	43	235498	45.952	ug/l	98
44) Trichloroethene	9.11	130	266179	51.209	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236147	54.389	ug/l	95
46) Dibromomethane	9.48	93	116483	51.055	ug/l	99
47) Bromodichloromethane	9.67	83	322063	53.574	ug/l	98
48) Methyl methacrylate	9.46	41	112584	45.653	ug/l	96
49) 1,4-Dioxane	9.47	88	25553	945.602	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	609362	241.567	ug/l	98
52) Toluene	10.41	92	621979	53.814	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	301456	51.504	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	368184	52.595	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	160108	51.162	ug/l	96
56) Ethyl methacrylate	10.67	69	196918	49.732	ug/l	99
57) 1,3-Dichloropropane	10.95	76	282385	51.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293686	227.878	ug/l	99
59) 2-Hexanone	10.99	43	481457	269.456	ug/l	100
60) Dibromochloromethane	11.14	129	212816	52.503	ug/l	100
61) 1,2-Dibromoethane	11.25	107	154049	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	227043	50.081	ug/l	98
65) Chlorobenzene	11.68	112	637096	52.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237460	52.723	ug/l	99
67) Ethyl Benzene	11.75	91	1185557	53.474	ug/l	98
68) m/p-Xylenes	11.86	106	925206	109.337	ug/l	98
69) o-Xylene	12.18	106	397685	52.189	ug/l	99
70) Styrene	12.20	104	714159	53.923	ug/l	100
71) Bromoform	12.37	173	123268	50.848	ug/l #	98
73) Isopropylbenzene	12.48	105	1110921	52.556	ug/l	100
74) N-amyl acetate	12.30	43	215370	46.877	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	162503	48.847	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	112579m	48.283	ug/l	
77) Bromobenzene	12.77	156	255129	50.096	ug/l	99
78) n-propylbenzene	12.83	91	1326991	53.607	ug/l	100
79) 2-Chlorotoluene	12.91	91	720950	52.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	907327	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	55938	47.980	ug/l	98
82) 4-Chlorotoluene	13.01	91	756687	52.216	ug/l	100
83) tert-Butylbenzene	13.23	119	764177	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	894772	52.118	ug/l	100
85) sec-Butylbenzene	13.41	105	1096486	53.811	ug/l	99
86) p-Isopropyltoluene	13.53	119	1016341	53.683	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	499935	52.430	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484867	51.091	ug/l	99
89) n-Butylbenzene	13.86	91	940138	53.801	ug/l	100
90) Hexachloroethane	14.12	117	194163	54.160	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	418700	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24909	45.867	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279219	47.832	ug/l	100
94) Hexachlorobutadiene	15.28	225	179812	50.097	ug/l	99
95) Naphthalene	15.41	128	439130	45.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	231661	46.396	ug/l	98

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

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