

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065496.D
 Acq On : 12 Mar 2020 21:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:03 PM

Quant Time: Mar 13 05:00:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193451	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.92	113	204724	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.34	98	773553	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.64	95	255164	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155189	41.875	ug/l	99
3) Chloromethane	2.21	50	203922	45.577	ug/l	99
4) Vinyl Chloride	2.35	62	202534	45.893	ug/l	100
5) Bromomethane	2.77	94	132444	53.936	ug/l	90
6) Chloroethane	2.93	64	130813	48.398	ug/l	99
7) Trichlorofluoromethane	3.27	101	305657	47.004	ug/l	99
8) Diethyl Ether	3.70	74	103330	53.434	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	198583	47.416	ug/l	99
10) Methyl Iodide	4.29	142	229137	52.663	ug/l	98
11) Tert butyl alcohol	5.25	59	61823	291.385	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	189676	47.297	ug/l	99
13) Acrolein	3.93	56	97308	265.933	ug/l	100
14) Allyl chloride	4.71	41	305780	49.635	ug/l	100
15) Acrylonitrile	5.43	53	229795	273.147	ug/l	99
16) Acetone	4.17	43	160881	215.060	ug/l	96
17) Carbon Disulfide	4.40	76	610951	45.746	ug/l	99
18) Methyl Acetate	4.72	43	101297	53.382	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	437776	56.765	ug/l	96
20) Methylene Chloride	4.96	84	232233	57.698	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226940	50.870	ug/l	98
22) Diisopropyl ether	6.37	45	652106	56.942	ug/l	97
23) Vinyl Acetate	6.31	43	1840375	289.422	ug/l	99
24) 1,1-Dichloroethane	6.27	63	388882	52.941	ug/l	99
25) 2-Butanone	7.22	43	266817	261.365	ug/l	95
26) 2,2-Dichloropropane	7.21	77	308985	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245654	53.872	ug/l	98
28) Bromochloromethane	7.55	49	164845	56.091	ug/l	98
29) Tetrahydrofuran	7.57	42	186063	285.402	ug/l	99
30) Chloroform	7.71	83	401252	54.651	ug/l	95
31) Cyclohexane	7.98	56	335405	45.664	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	344958	50.842	ug/l	100
36) 1,1-Dichloropropene	8.11	75	304708	49.585	ug/l	99
37) Ethyl Acetate	7.30	43	129281	54.429	ug/l	98
38) Carbon Tetrachloride	8.10	117	314985	49.430	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355804	47.939	ug/l	95
40) Benzene	8.36	78	908201	52.859	ug/l	100
41) Methacrylonitrile	7.53	41	61580	49.023	ug/l	98
42) 1,2-Dichloroethane	8.43	62	245770	54.779	ug/l	100
43) Isopropyl Acetate	8.46	43	235320	53.656	ug/l	99
44) Trichloroethene	9.11	130	248984	51.314	ug/l	98
45) 1,2-Dichloropropane	9.39	63	228137	54.815	ug/l	96
46) Dibromomethane	9.48	93	119727	55.459	ug/l	99
47) Bromodichloromethane	9.67	83	306893	54.643	ug/l	98
48) Methyl methacrylate	9.46	41	116477m	56.461	ug/l	
49) 1,4-Dioxane	9.47	88	28113	1138.458	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	634029	287.285	ug/l	99
52) Toluene	10.41	92	585041	54.051	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	286632	54.612	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	351073	55.261	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	171458	56.075	ug/l	99
56) Ethyl methacrylate	10.67	69	201155	58.356	ug/l	100
57) 1,3-Dichloropropane	10.95	76	288271	55.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	269610	250.253	ug/l	99
59) 2-Hexanone	10.99	43	425120	278.265	ug/l	99
60) Dibromochloromethane	11.14	129	221561	56.529	ug/l	100
61) 1,2-Dibromoethane	11.25	107	162370	55.672	ug/l	98
64) Tetrachloroethene	10.88	164	213480	49.679	ug/l	95
65) Chlorobenzene	11.67	112	622933	52.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	235328	54.447	ug/l	97
67) Ethyl Benzene	11.75	91	1097658	53.530	ug/l	99
68) m/p-Xylenes	11.86	106	850400	107.555	ug/l	100
69) o-Xylene	12.18	106	382990	55.067	ug/l	99
70) Styrene	12.20	104	687474	56.165	ug/l	99
71) Bromoform	12.37	173	129633	53.397	ug/l #	100
73) Isopropylbenzene	12.48	105	1035279	51.791	ug/l	100
74) N-amyl acetate	12.30	43	220555	53.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	182984	52.077	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	119714m	49.920	ug/l	
77) Bromobenzene	12.77	156	258973	52.145	ug/l	99
78) n-propylbenzene	12.83	91	1222360	51.538	ug/l	100
79) 2-Chlorotoluene	12.91	91	685007	51.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	865778	52.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55551	48.884	ug/l	97
82) 4-Chlorotoluene	13.01	91	724887	51.607	ug/l	99
83) tert-Butylbenzene	13.23	119	721956	51.928	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	868582	53.619	ug/l	99
85) sec-Butylbenzene	13.41	105	1002491	50.515	ug/l	99
86) p-Isopropyltoluene	13.53	119	938691	51.836	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	495533	51.897	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484133	50.972	ug/l	100
89) n-Butylbenzene	13.86	91	858487	51.278	ug/l	99
90) Hexachloroethane	14.12	117	182804	49.018	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	425123	52.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27507	51.403	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	292478	53.108	ug/l	100
94) Hexachlorobutadiene	15.28	225	176071	48.657	ug/l	97
95) Naphthalene	15.41	128	488333	49.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259554	54.540	ug/l	100

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

