

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066392.D
 Acq On : 24 Aug 2020 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 3:33:02 PM

Quant Time: Aug 25 05:11:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	233065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	349788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	333552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	130360	57.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.10%	
35) Dibromofluoromethane	7.91	113	117330	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
50) Toluene-d8	10.33	98	435419	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.63	95	156214	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	81152	40.957	ug/l	99
3) Chloromethane	2.20	50	71832	51.145	ug/l	97
4) Vinyl Chloride	2.34	62	71519	47.428	ug/l	100
5) Bromomethane	2.76	94	54841	48.622	ug/l	95
6) Chloroethane	2.91	64	47901	49.608	ug/l #	88
7) Trichlorofluoromethane	3.26	101	185504	45.239	ug/l	97
8) Diethyl Ether	3.70	74	51526	56.083	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	94549	46.722	ug/l	99
10) Methyl Iodide	4.29	142	108721	47.105	ug/l	95
11) Tert butyl alcohol	5.23	59	39720	314.595	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	95813	50.440	ug/l	96
13) Acrolein	3.92	56	24155	238.059	ug/l	93
14) Allyl chloride	4.71	41	136792	53.952	ug/l	96
15) Acrylonitrile	5.41	53	107531	291.709	ug/l	96
16) Acetone	4.16	43	88123	213.921	ug/l	96
17) Carbon Disulfide	4.40	76	290352	50.436	ug/l	100
18) Methyl Acetate	4.71	43	46608	60.283	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	260577	56.970	ug/l #	92
20) Methylene Chloride	4.96	84	117641	53.940	ug/l #	93
21) trans-1,2-Dichloroethene	5.46	96	115182	52.091	ug/l	98
22) Diisopropyl ether	6.36	45	277935	56.619	ug/l	95
23) Vinyl Acetate	6.30	43	861965	283.642	ug/l	99
24) 1,1-Dichloroethane	6.26	63	189422	54.604	ug/l	99
25) 2-Butanone	7.21	43	127239	272.078	ug/l	97
26) 2,2-Dichloropropane	7.20	77	166198	44.700	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	132479	55.915	ug/l	96
28) Bromochloromethane	7.54	49	73552	61.553	ug/l	99
29) Tetrahydrofuran	7.56	42	76029	286.229	ug/l	97
30) Chloroform	7.71	83	214158	53.358	ug/l	94
31) Cyclohexane	7.97	56	142921	45.047	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	207714	50.566	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150947	47.295	ug/l	100
37) Ethyl Acetate	7.29	43	57184	52.679	ug/l #	90
38) Carbon Tetrachloride	8.09	117	189805	45.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	174935	46.530	ug/l	98
40) Benzene	8.34	78	432321	51.491	ug/l	98
41) Methacrylonitrile	7.52	41	35503	53.036	ug/l #	89
42) 1,2-Dichloroethane	8.42	62	153473	51.900	ug/l	98
43) Isopropyl Acetate	8.45	43	118263	54.280	ug/l	100
44) Trichloroethene	9.11	130	137497	50.398	ug/l	95
45) 1,2-Dichloropropane	9.38	63	99121	52.075	ug/l	99
46) Dibromomethane	9.47	93	64677	54.574	ug/l	99
47) Bromodichloromethane	9.66	83	175062	53.714	ug/l	99
48) Methyl methacrylate	9.45	41	59346	52.821	ug/l	96
49) 1,4-Dioxane	9.46	88	15053	1093.880	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	292207	277.235	ug/l	98
52) Toluene	10.40	92	294252	51.729	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	157173	50.824	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	178352	51.380	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	85996	53.601	ug/l	93
56) Ethyl methacrylate	10.66	69	108381	58.355	ug/l	99
57) 1,3-Dichloropropane	10.94	76	142396	53.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	230206	298.437	ug/l	100
59) 2-Hexanone	10.98	43	204338	274.848	ug/l	98
60) Dibromochloromethane	11.14	129	128310	53.057	ug/l	98
61) 1,2-Dibromoethane	11.24	107	86599	54.849	ug/l	95
64) Tetrachloroethene	10.87	164	125997	49.795	ug/l	98
65) Chlorobenzene	11.67	112	331715	49.987	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	134613	49.637	ug/l	98
67) Ethyl Benzene	11.74	91	571812	48.952	ug/l	100
68) m/p-Xylenes	11.85	106	427153	95.940	ug/l	97
69) o-Xylene	12.18	106	205325	49.572	ug/l	98
70) Styrene	12.19	104	354297	49.817	ug/l	99
71) Bromoform	12.36	173	78730	51.170	ug/l #	98
73) Isopropylbenzene	12.48	105	565628	51.413	ug/l	99
74) N-amyl acetate	12.28	43	112053	56.393	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	84302	53.640	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	53450m	46.263	ug/l	
77) Bromobenzene	12.76	156	146737	52.550	ug/l	97
78) n-propylbenzene	12.82	91	628456	49.820	ug/l	100
79) 2-Chlorotoluene	12.91	91	373171	51.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	480499	50.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26405	48.512	ug/l	97
82) 4-Chlorotoluene	13.00	91	387139	50.719	ug/l	100
83) tert-Butylbenzene	13.22	119	419052	50.790	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	479438	51.387	ug/l	99
85) sec-Butylbenzene	13.40	105	524707	48.539	ug/l	100
86) p-Isopropyltoluene	13.51	119	509958	48.924	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	262192	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	262418	50.141	ug/l	99
89) n-Butylbenzene	13.84	91	444371	48.311	ug/l	100
90) Hexachloroethane	14.11	117	100261	48.693	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	231037	51.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18224	55.287	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	180680	51.578	ug/l	99
94) Hexachlorobutadiene	15.27	225	105375	48.405	ug/l	96
95) Naphthalene	15.40	128	310912	56.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	158553	52.836	ug/l	98

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

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