

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081120\
 Data File : VD066179.D
 Acq On : 11 Aug 2020 11:16
 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
 8/12/2020 3:57:40 PM

Quant Time: Aug 11 15:22:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	338615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150380	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.91	113	155551	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	583119	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.63	95	203242	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119475	40.048	ug/l	97
3) Chloromethane	2.20	50	99232	42.760	ug/l	99
4) Vinyl Chloride	2.34	62	99466	48.412	ug/l	100
5) Bromomethane	2.76	94	64704	47.468	ug/l	98
6) Chloroethane	2.92	64	60075	47.634	ug/l	91
7) Trichlorofluoromethane	3.27	101	238305	44.489	ug/l	99
8) Diethyl Ether	3.70	74	67432	44.616	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146567	46.106	ug/l	99
10) Methyl Iodide	4.30	142	156539	53.540	ug/l	97
11) Tert butyl alcohol	5.22	59	46986	200.817	ug/l	98
12) 1,1-Dichloroethene	4.06	96	136167	45.407	ug/l	95
13) Acrolein	3.91	56	60253	250.572	ug/l	100
14) Allyl chloride	4.70	41	218511	48.097	ug/l	98
15) Acrylonitrile	5.41	53	151585	238.008	ug/l	98
16) Acetone	4.15	43	169481	295.673	ug/l	99
17) Carbon Disulfide	4.40	76	419807	44.029	ug/l	99
18) Methyl Acetate	4.71	43	64253	44.131	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	313443	45.602	ug/l	98
20) Methylene Chloride	4.96	84	157470	47.613	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	160056	46.461	ug/l	92
22) Diisopropyl ether	6.36	45	423947	47.189	ug/l	99
23) Vinyl Acetate	6.30	43	1276512	242.533	ug/l	98
24) 1,1-Dichloroethane	6.26	63	256834	46.194	ug/l	98
25) 2-Butanone	7.21	43	202834	240.588	ug/l	98
26) 2,2-Dichloropropane	7.20	77	242514	48.666	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	168497	46.632	ug/l	100
28) Bromochloromethane	7.54	49	99731	51.071	ug/l	96
29) Tetrahydrofuran	7.56	42	122082	233.721	ug/l	99
30) Chloroform	7.70	83	268600	46.008	ug/l	99
31) Cyclohexane	7.98	56	234113	44.234	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	248794	45.451	ug/l	98
36) 1,1-Dichloropropene	8.10	75	213243	46.736	ug/l	98
37) Ethyl Acetate	7.28	43	87285	48.282	ug/l	97
38) Carbon Tetrachloride	8.09	117	235430	46.271	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	265409	48.120	ug/l	98
40) Benzene	8.34	78	585263	46.239	ug/l	99
41) Methacrylonitrile	7.51	41	45340m	42.656	ug/l	
42) 1,2-Dichloroethane	8.42	62	171225	46.049	ug/l	100
43) Isopropyl Acetate	8.44	43	167767	47.100	ug/l	99
44) Trichloroethene	9.11	130	177324	46.492	ug/l	96
45) 1,2-Dichloropropane	9.38	63	145431	46.979	ug/l	97
46) Dibromomethane	9.47	93	80184	47.024	ug/l	100
47) Bromodichloromethane	9.66	83	207611	46.067	ug/l	95
48) Methyl methacrylate	9.45	41	88014	48.392	ug/l	99
49) 1,4-Dioxane	9.46	88	19264	879.355	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	435399	237.975	ug/l	100
52) Toluene	10.40	92	391044	46.951	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	205485	48.045	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	237251	47.347	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	113574	46.256	ug/l	98
56) Ethyl methacrylate	10.66	69	143514	48.656	ug/l	98
57) 1,3-Dichloropropane	10.94	76	190641	46.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	370939	279.583	ug/l	99
59) 2-Hexanone	10.98	43	316434	246.435	ug/l	98
60) Dibromochloromethane	11.14	129	152175	44.892	ug/l	98
61) 1,2-Dibromoethane	11.24	107	108867	46.104	ug/l	99
64) Tetrachloroethene	10.87	164	152507	44.996	ug/l	98
65) Chlorobenzene	11.67	112	415970	46.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	161687	46.119	ug/l	99
67) Ethyl Benzene	11.74	91	741812	47.775	ug/l	98
68) m/p-Xylenes	11.86	106	564984	93.915	ug/l	98
69) o-Xylene	12.18	106	260066	47.522	ug/l	100
70) Styrene	12.20	104	458942	47.853	ug/l	100
71) Bromoform	12.36	173	93857	45.185	ug/l #	99
73) Isopropylbenzene	12.48	105	731419	48.963	ug/l	100
74) N-amyl acetate	12.29	43	163301	49.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	119587	46.948	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	79821m	42.772	ug/l	
77) Bromobenzene	12.76	156	178766	46.488	ug/l	96
78) n-propylbenzene	12.82	91	846499	48.748	ug/l	100
79) 2-Chlorotoluene	12.91	91	474549	47.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	610454	48.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41567	49.237	ug/l	98
82) 4-Chlorotoluene	13.01	91	502357	47.916	ug/l	99
83) tert-Butylbenzene	13.23	119	523235	47.624	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	608012	48.631	ug/l	100
85) sec-Butylbenzene	13.40	105	732859	49.405	ug/l	100
86) p-Isopropyltoluene	13.52	119	684841	49.225	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	340158	47.066	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	340859	47.291	ug/l	99
89) n-Butylbenzene	13.85	91	628925	50.455	ug/l	99
90) Hexachloroethane	14.11	117	130432	47.007	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	296972	46.463	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19505	44.553	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	228276	48.464	ug/l	99
94) Hexachlorobutadiene	15.28	225	132481	47.764	ug/l	99
95) Naphthalene	15.41	128	378296	49.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194592	46.799	ug/l	98

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

