

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\
 Data File : VD066207.D
 Acq On : 12 Aug 2020 16:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 4:21:06 PM

Quant Time: Aug 12 19:03:11 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	291288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	413365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	400826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	132469	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.91	113	135834	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.34	98	505836	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.63	95	187506	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	113321	44.156	ug/l	95
3) Chloromethane	2.20	50	74547	37.342	ug/l	95
4) Vinyl Chloride	2.34	62	76984	43.557	ug/l	95
5) Bromomethane	2.76	94	50950	43.450	ug/l	95
6) Chloroethane	2.91	64	49181	45.332	ug/l #	87
7) Trichlorofluoromethane	3.26	101	225768	48.997	ug/l	97
8) Diethyl Ether	3.70	74	62746	48.261	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	131308	48.018	ug/l	99
10) Methyl Iodide	4.29	142	129288	51.672	ug/l	99
11) Tert butyl alcohol	5.21	59	49877	258.290	ug/l	97
12) 1,1-Dichloroethene	4.06	96	119472	46.313	ug/l	98
13) Acrolein	3.91	56	37671	182.114	ug/l	98
14) Allyl chloride	4.71	41	179273	45.872	ug/l	96
15) Acrylonitrile	5.41	53	135896	248.042	ug/l	99
16) Acetone	4.16	43	140481	284.899	ug/l	96
17) Carbon Disulfide	4.40	76	344507	42.002	ug/l	100
18) Methyl Acetate	4.71	43	60926	48.645	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	299336	50.625	ug/l	99
20) Methylene Chloride	4.96	84	152923	54.414	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	138539	46.749	ug/l	92
22) Diisopropyl ether	6.36	45	369326	47.788	ug/l	93
23) Vinyl Acetate	6.30	43	1116508	246.599	ug/l	98
24) 1,1-Dichloroethane	6.26	63	227590	47.585	ug/l	97
25) 2-Butanone	7.21	43	179054	246.888	ug/l	97
26) 2,2-Dichloropropane	7.20	77	214640	50.071	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	151455	48.726	ug/l	99
28) Bromochloromethane	7.54	49	84305	50.186	ug/l	97
29) Tetrahydrofuran	7.56	42	109570	243.849	ug/l	98
30) Chloroform	7.70	83	248105	49.402	ug/l	95
31) Cyclohexane	7.98	56	195434	42.926	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	237451	50.427	ug/l	99
36) 1,1-Dichloropropene	8.10	75	189912	48.891	ug/l	100
37) Ethyl Acetate	7.29	43	75737	49.211	ug/l	99
38) Carbon Tetrachloride	8.09	117	220568	50.920	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	219882	46.827	ug/l	97
40) Benzene	8.34	78	512704	47.580	ug/l	97
41) Methacrylonitrile	7.51	41	32702	36.138	ug/l #	70
42) 1,2-Dichloroethane	8.41	62	160451	50.686	ug/l	99
43) Isopropyl Acetate	8.44	43	148401	48.939	ug/l	99
44) Trichloroethene	9.10	130	156225	48.113	ug/l	99
45) 1,2-Dichloropropane	9.38	63	122387	46.439	ug/l	89
46) Dibromomethane	9.47	93	73495	50.628	ug/l	100
47) Bromodichloromethane	9.66	83	195054	50.839	ug/l	98
48) Methyl methacrylate	9.45	41	79632	51.429	ug/l	97
49) 1,4-Dioxane	9.46	88	18396	986.373	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	407480	261.607	ug/l	99
52) Toluene	10.40	92	362425	51.114	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	195995	53.829	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	227514	53.332	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	108521	51.916	ug/l	94
56) Ethyl methacrylate	10.66	69	132777	52.877	ug/l	98
57) 1,3-Dichloropropane	10.94	76	174477	50.278	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	329743	291.933	ug/l	98
59) 2-Hexanone	10.98	43	287211	262.736	ug/l	100
60) Dibromochloromethane	11.13	129	150682	52.214	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109610	54.525	ug/l	96
64) Tetrachloroethene	10.87	164	147126	47.801	ug/l	98
65) Chlorobenzene	11.67	112	405703	49.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	161032	50.580	ug/l	99
67) Ethyl Benzene	11.74	91	712877	50.557	ug/l	100
68) m/p-Xylenes	11.85	106	543405	99.468	ug/l	97
69) o-Xylene	12.18	106	250551	50.416	ug/l	100
70) Styrene	12.19	104	446646	51.283	ug/l	99
71) Bromoform	12.36	173	96521	51.170	ug/l #	99
73) Isopropylbenzene	12.48	105	713325	49.869	ug/l	100
74) N-amyl acetate	12.28	43	155369	49.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	115364	47.298	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	74803m	41.860	ug/l	
77) Bromobenzene	12.76	156	181986	49.424	ug/l	98
78) n-propylbenzene	12.82	91	818729	49.240	ug/l	100
79) 2-Chlorotoluene	12.91	91	462245	48.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	604509	50.533	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	40334	49.894	ug/l	94
82) 4-Chlorotoluene	13.00	91	494898	49.298	ug/l	99
83) tert-Butylbenzene	13.23	119	525906	49.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	598981	50.033	ug/l	99
85) sec-Butylbenzene	13.40	105	714098	50.275	ug/l	100
86) p-Isopropyltoluene	13.52	119	662390	49.722	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	332752	48.083	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	336047	48.691	ug/l	100
89) n-Butylbenzene	13.84	91	613638	51.411	ug/l	100
90) Hexachloroethane	14.11	117	130026	48.938	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	298787	48.819	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21223	50.627	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	231480	51.323	ug/l	100
94) Hexachlorobutadiene	15.27	225	134646	50.696	ug/l	98
95) Naphthalene	15.41	128	393378	53.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	203984	51.232	ug/l	98

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

