

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066148.D
 Acq On : 07 Aug 2020 10:05
 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
 8/10/2020 12:24:08 PM

Quant Time: Aug 08 01:36:03 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	326485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	464727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	417162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	148388	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.91	113	152340	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.34	98	591596	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	12.64	95	202463	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	120461	41.878	ug/l	99
3) Chloromethane	2.20	50	99570	44.499	ug/l	99
4) Vinyl Chloride	2.35	62	95646	48.282	ug/l	97
5) Bromomethane	2.77	94	66652	50.713	ug/l	85
6) Chloroethane	2.92	64	59292	48.760	ug/l	94
7) Trichlorofluoromethane	3.27	101	230493	44.630	ug/l	98
8) Diethyl Ether	3.70	74	62716	43.037	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143401	46.786	ug/l	97
10) Methyl Iodide	4.30	142	142151	50.816	ug/l	98
11) Tert butyl alcohol	5.21	59	42036	183.106	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	133880	46.303	ug/l	96
13) Acrolein	3.92	56	46096	198.820	ug/l	100
14) Allyl chloride	4.71	41	201954	46.104	ug/l	100
15) Acrylonitrile	5.42	53	138570	225.656	ug/l	98
16) Acetone	4.16	43	166899	301.986	ug/l	97
17) Carbon Disulfide	4.40	76	413931	45.025	ug/l	100
18) Methyl Acetate	4.71	43	58187	41.450	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	291035	43.915	ug/l	94
20) Methylene Chloride	4.97	84	157286	49.509	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	150644	45.354	ug/l	97
22) Diisopropyl ether	6.36	45	406785	46.961	ug/l	96
23) Vinyl Acetate	6.30	43	1180672	232.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	251756	46.963	ug/l	97
25) 2-Butanone	7.21	43	187376	230.510	ug/l	97
26) 2,2-Dichloropropane	7.20	77	227277	47.303	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	160152	45.969	ug/l	99
28) Bromochloromethane	7.54	49	94393	50.133	ug/l	95
29) Tetrahydrofuran	7.56	42	110683	219.771	ug/l	98
30) Chloroform	7.71	83	261759	46.502	ug/l	98
31) Cyclohexane	7.97	56	222543	43.611	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	245073	46.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	207685	47.558	ug/l	98
37) Ethyl Acetate	7.29	43	81487	47.095	ug/l	94
38) Carbon Tetrachloride	8.09	117	230564	47.345	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	254482	48.206	ug/l	99
40) Benzene	8.34	78	578367	47.742	ug/l	100
41) Methacrylonitrile	7.54	41	59550m	58.534	ug/l	
42) 1,2-Dichloroethane	8.42	62	163941	46.065	ug/l	100
43) Isopropyl Acetate	8.45	43	153249	44.952	ug/l	99
44) Trichloroethene	9.11	130	171891	47.087	ug/l	100
45) 1,2-Dichloropropane	9.38	63	139338	47.028	ug/l	98
46) Dibromomethane	9.47	93	76619	46.947	ug/l	97
47) Bromodichloromethane	9.66	83	200778	46.547	ug/l	97
48) Methyl methacrylate	9.46	41	77389	44.457	ug/l	94
49) 1,4-Dioxane	9.46	88	16920	806.964	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	395271	225.722	ug/l	100
52) Toluene	10.40	92	382721	48.011	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	190919	46.640	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	227455	47.425	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	103884	44.205	ug/l	96
56) Ethyl methacrylate	10.66	69	129160	45.751	ug/l	99
57) 1,3-Dichloropropane	10.94	76	180254	46.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328005	258.300	ug/l	99
59) 2-Hexanone	10.98	43	297514	242.082	ug/l	97
60) Dibromochloromethane	11.14	129	142184	43.824	ug/l	98
61) 1,2-Dibromoethane	11.24	107	103212	45.668	ug/l	99
64) Tetrachloroethene	10.87	164	148730	46.430	ug/l	97
65) Chlorobenzene	11.67	112	406672	48.022	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	153559	46.344	ug/l	99
67) Ethyl Benzene	11.74	91	723502	49.301	ug/l	96
68) m/p-Xylenes	11.86	106	549396	96.627	ug/l	96
69) o-Xylene	12.18	106	251114	48.551	ug/l	99
70) Styrene	12.20	104	443646	48.944	ug/l	100
71) Bromoform	12.36	173	88812	45.239	ug/l	100
73) Isopropylbenzene	12.48	105	707874	50.065	ug/l	99
74) N-amyl acetate	12.29	43	145498	46.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	110397	45.790	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	83201m	47.103	ug/l	
77) Bromobenzene	12.77	156	173903	47.780	ug/l	99
78) n-propylbenzene	12.83	91	824923	50.191	ug/l	100
79) 2-Chlorotoluene	12.91	91	456935	48.610	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	590047	49.900	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39002	48.810	ug/l	100
82) 4-Chlorotoluene	13.01	91	490567	49.437	ug/l	99
83) tert-Butylbenzene	13.23	119	523844	50.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	587182	49.620	ug/l	100
85) sec-Butylbenzene	13.41	105	714869	50.917	ug/l	100
86) p-Isopropyltoluene	13.52	119	657636	49.941	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328052	47.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	325528	47.717	ug/l	100
89) n-Butylbenzene	13.85	91	612846	51.944	ug/l	99
90) Hexachloroethane	14.12	117	128491	48.925	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286537	47.364	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18112	43.710	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213828	47.962	ug/l	99
94) Hexachlorobutadiene	15.28	225	129333	49.264	ug/l	99
95) Naphthalene	15.41	128	341362	46.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	182357	46.335	ug/l	100

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

