

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067533.D
 Acq On : 05 Nov 2020 09:46
 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
 11/6/2020 9:24:26 AM

Quant Time: Nov 06 00:24:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131730	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	7.92	113	134426	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.34	98	472015	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.64	95	166823	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135355	48.001	ug/l	97
3) Chloromethane	2.21	50	96407	44.611	ug/l	98
4) Vinyl Chloride	2.35	62	104031	43.177	ug/l	97
5) Bromomethane	2.77	94	86129	44.104	ug/l	99
6) Chloroethane	2.93	64	64743	43.585	ug/l	93
7) Trichlorofluoromethane	3.28	101	284515	45.606	ug/l	97
8) Diethyl Ether	3.71	74	56437	44.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146352	46.475	ug/l	100
10) Methyl Iodide	4.30	142	149792	44.382	ug/l	99
11) Tert butyl alcohol	5.21	59	31353	238.862	ug/l	97
12) 1,1-Dichloroethene	4.07	96	133161	45.972	ug/l	95
13) Acrolein	3.93	56	31546	236.009	ug/l	98
14) Allyl chloride	4.71	41	139857	45.115	ug/l	99
15) Acrylonitrile	5.42	53	105608	227.272	ug/l	99
16) Acetone	4.16	43	108600	239.159	ug/l	90
17) Carbon Disulfide	4.41	76	399901	45.055	ug/l	99
18) Methyl Acetate	4.71	43	40882	43.568	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	263953	46.198	ug/l	95
20) Methylene Chloride	4.96	84	138098	43.053	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	152470	45.193	ug/l	97
22) Diisopropyl ether	6.37	45	280564	46.442	ug/l	98
23) Vinyl Acetate	6.30	43	773548	244.621	ug/l	99
24) 1,1-Dichloroethane	6.26	63	222059	44.931	ug/l	96
25) 2-Butanone	7.21	43	114006	234.963	ug/l	99
26) 2,2-Dichloropropane	7.21	77	245981	47.159	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	162906	46.521	ug/l	97
28) Bromochloromethane	7.54	49	81565	46.398	ug/l	93
29) Tetrahydrofuran	7.57	42	71164	244.851	ug/l	99
30) Chloroform	7.71	83	272973	46.298	ug/l	96
31) Cyclohexane	7.99	56	197582	44.894	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	275680	45.317	ug/l	99
36) 1,1-Dichloropropene	8.11	75	201868	47.951	ug/l	99
37) Ethyl Acetate	7.29	43	50592	46.289	ug/l	98
38) Carbon Tetrachloride	8.10	117	268922	49.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	251939	50.846	ug/l	98
40) Benzene	8.36	78	556688	48.817	ug/l	100
41) Methacrylonitrile	7.53	41	30573m	46.797	ug/l	
42) 1,2-Dichloroethane	8.43	62	168505	47.826	ug/l	100
43) Isopropyl Acetate	8.45	43	101823	47.107	ug/l	99
44) Trichloroethene	9.11	130	178961	47.728	ug/l	96
45) 1,2-Dichloropropane	9.39	63	117974	47.849	ug/l	95
46) Dibromomethane	9.48	93	77167	49.225	ug/l	98
47) Bromodichloromethane	9.67	83	209264	49.113	ug/l	98
48) Methyl methacrylate	9.46	41	56338	50.480	ug/l	98
49) 1,4-Dioxane	9.46	88	15670	984.648	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	261451	252.912	ug/l	98
52) Toluene	10.41	92	378438	49.546	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	179235	49.115	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	203847	47.016	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	100129	48.274	ug/l	95
56) Ethyl methacrylate	10.66	69	106945	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	162713	48.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	247952	248.236	ug/l	99
59) 2-Hexanone	10.99	43	194797	269.500	ug/l	99
60) Dibromochloromethane	11.14	129	151894	49.504	ug/l	99
61) 1,2-Dibromoethane	11.25	107	101132	48.580	ug/l	99
64) Tetrachloroethene	10.88	164	161829	49.057	ug/l	95
65) Chlorobenzene	11.67	112	417766	48.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	164092	48.524	ug/l	99
67) Ethyl Benzene	11.75	91	733061	49.929	ug/l	100
68) m/p-Xylenes	11.86	106	571675	100.083	ug/l	99
69) o-Xylene	12.18	106	257271	50.447	ug/l	98
70) Styrene	12.20	104	437694	49.253	ug/l	99
71) Bromoform	12.37	173	83416	48.366	ug/l #	99
73) Isopropylbenzene	12.48	105	738507	50.863	ug/l	99
74) N-amyl acetate	12.29	43	93748	49.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	96060	48.517	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	72622m	53.584	ug/l	
77) Bromobenzene	12.77	156	174494	48.935	ug/l	97
78) n-propylbenzene	12.83	91	845270	50.896	ug/l	100
79) 2-Chlorotoluene	12.91	91	472124	50.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	633365	51.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31034	46.490	ug/l	96
82) 4-Chlorotoluene	13.01	91	506663	50.075	ug/l	99
83) tert-Butylbenzene	13.23	119	550403	52.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	625791	50.686	ug/l	97
85) sec-Butylbenzene	13.41	105	729092	51.379	ug/l	99
86) p-Isopropyltoluene	13.52	119	702517	51.266	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	332706	48.898	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	324829	47.148	ug/l	99
89) n-Butylbenzene	13.85	91	612988	51.788	ug/l	100
90) Hexachloroethane	14.11	117	128024	49.610	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	285769	48.528	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16648	47.491	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	195775	48.983	ug/l	99
94) Hexachlorobutadiene	15.27	225	133193	49.793	ug/l	98
95) Naphthalene	15.40	128	316324	51.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167368	48.901	ug/l	98

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

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