

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067757.D
 Acq On : 23 Nov 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:43 PM

Quant Time: Nov 24 01:28:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	268928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	401731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	373012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147319	56.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.68%
35) Dibromofluoromethane	7.92	113	138978	54.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.72%
50) Toluene-d8	10.34	98	496893	53.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.32%
62) 4-Bromofluorobenzene	12.64	95	174570	54.64	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108639	46.421	ug/l	95
3) Chloromethane	2.21	50	69534	53.369	ug/l	97
4) Vinyl Chloride	2.35	62	78117	47.848	ug/l	94
5) Bromomethane	2.77	94	70101	50.397	ug/l	97
6) Chloroethane	2.93	64	50228	46.161	ug/l #	88
7) Trichlorofluoromethane	3.27	101	220391	44.237	ug/l	94
8) Diethyl Ether	3.71	74	50263	49.970	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108167	45.340	ug/l	98
10) Methyl Iodide	4.30	142	119164	48.800	ug/l	97
11) Tert butyl alcohol	5.20	59	35282m	258.129	ug/l	
12) 1,1-Dichloroethene	4.07	96	104516	47.346	ug/l	95
13) Acrolein	3.92	56	26957	248.721	ug/l	87
14) Allyl chloride	4.71	41	107957	50.591	ug/l	99
15) Acrylonitrile	5.41	53	91178	260.259	ug/l	97
16) Acetone	4.15	43	77741	230.138	ug/l #	87
17) Carbon Disulfide	4.41	76	307126	48.103	ug/l	99
18) Methyl Acetate	4.72	43	35002	51.504	ug/l	90
19) Methyl tert-butyl Ether	5.47	73	246885	52.330	ug/l	99
20) Methylene Chloride	4.96	84	128328	50.227	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	120590	48.049	ug/l	97
22) Diisopropyl ether	6.36	45	220522	52.353	ug/l	98
23) Vinyl Acetate	6.31	43	632825	266.332	ug/l	97
24) 1,1-Dichloroethane	6.27	63	183831	51.476	ug/l	98
25) 2-Butanone	7.21	43	92731	244.632	ug/l	91
26) 2,2-Dichloropropane	7.21	77	187796	44.575	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	137520	51.407	ug/l	97
28) Bromochloromethane	7.55	49	63742	55.721	ug/l	100
29) Tetrahydrofuran	7.57	42	56181	260.676	ug/l	96
30) Chloroform	7.71	83	226740	48.553	ug/l	96
31) Cyclohexane	7.99	56	138024	43.625	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	227094	45.917	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154874	44.926	ug/l	98
37) Ethyl Acetate	7.30	43	42436	45.780	ug/l	97
38) Carbon Tetrachloride	8.10	117	217900	43.606	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	185067	45.364	ug/l	99
40) Benzene	8.35	78	447659	47.282	ug/l	92
41) Methacrylonitrile	7.54	41	29849m	63.061	ug/l	
42) 1,2-Dichloroethane	8.43	62	147144	45.804	ug/l	99
43) Isopropyl Acetate	8.46	43	88911	48.030	ug/l	98
44) Trichloroethene	9.11	130	144746	46.128	ug/l	100
45) 1,2-Dichloropropane	9.39	63	94174	48.476	ug/l	98
46) Dibromomethane	9.48	93	64612	48.851	ug/l	99
47) Bromodichloromethane	9.66	83	178742	48.531	ug/l	95
48) Methyl methacrylate	9.46	41	43173	46.650	ug/l	95
49) 1,4-Dioxane	9.46	88	12886	899.007	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	216228	248.234	ug/l	100
52) Toluene	10.41	92	305536	47.570	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	153729	47.775	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	170765	46.894	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	82784	46.648	ug/l	94
56) Ethyl methacrylate	10.67	69	91421	49.758	ug/l	99
57) 1,3-Dichloropropane	10.95	76	135765	48.520	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	245381	285.830	ug/l	100
59) 2-Hexanone	10.99	43	148977	242.240	ug/l	98
60) Dibromochloromethane	11.14	129	126753	46.871	ug/l	100
61) 1,2-Dibromoethane	11.26	107	85667	48.992	ug/l	98
64) Tetrachloroethene	10.88	164	126614	43.734	ug/l	88
65) Chlorobenzene	11.67	112	342835	46.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	138524	46.711	ug/l	99
67) Ethyl Benzene	11.75	91	584716	46.199	ug/l	100
68) m/p-Xylenes	11.86	106	459971	93.391	ug/l	99
69) o-Xylene	12.18	106	215228	47.995	ug/l	99
70) Styrene	12.20	104	371728	48.666	ug/l	98
71) Bromoform	12.37	173	75744	47.050	ug/l #	99
73) Isopropylbenzene	12.48	105	592378	47.515	ug/l	100
74) N-amyl acetate	12.29	43	79507	48.359	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	78800	47.097	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	71579m	54.202	ug/l	
77) Bromobenzene	12.77	156	150380	48.186	ug/l	100
78) n-propylbenzene	12.83	91	661234	47.673	ug/l	99
79) 2-Chlorotoluene	12.91	91	380850	46.377	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	513481	47.354	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26299	46.578	ug/l	97
82) 4-Chlorotoluene	13.01	91	407195	46.535	ug/l	100
83) tert-Butylbenzene	13.23	119	425058	45.618	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	510361	47.115	ug/l	99
85) sec-Butylbenzene	13.40	105	560179	45.762	ug/l	100
86) p-Isopropyltoluene	13.52	119	549833	46.374	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	271505	44.952	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	276729	46.252	ug/l	99
89) n-Butylbenzene	13.84	91	464444	45.712	ug/l	99
90) Hexachloroethane	14.11	117	102230	45.294	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	243763	46.850	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15461	42.861	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	172297	46.769	ug/l	100
94) Hexachlorobutadiene	15.27	225	102273	43.449	ug/l	98
95) Naphthalene	15.40	128	281995	47.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	148792	47.415	ug/l	99

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

