

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067857.D
 Acq On : 03 Dec 2020 09:51
 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
 12/4/2020 11:26:28 AM

Quant Time: Dec 03 14:32:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	232392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	324025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	121190	48.58	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.16%
35) Dibromofluoromethane	7.92	113	112398	51.84	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.68%
50) Toluene-d8	10.34	98	413233	52.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.88%
62) 4-Bromofluorobenzene	12.64	95	145945	54.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	110979	54.874	ug/l	94
3) Chloromethane	2.21	50	52863	45.291	ug/l	98
4) Vinyl Chloride	2.36	62	78115	53.140	ug/l	96
5) Bromomethane	2.77	94	87345	66.560	ug/l	86
6) Chloroethane	2.93	64	49945	52.185	ug/l	96
7) Trichlorofluoromethane	3.28	101	236926	52.672	ug/l	99
8) Diethyl Ether	3.71	74	43567	49.693	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108354	52.826	ug/l	99
10) Methyl Iodide	4.30	142	91040	41.874	ug/l	99
11) Tert butyl alcohol	5.21	59	31260	241.820	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	97437	50.598	ug/l	96
13) Acrolein	3.92	56	21508	224.339	ug/l	94
14) Allyl chloride	4.71	41	91165	51.174	ug/l	95
15) Acrylonitrile	5.41	53	73090	240.429	ug/l	97
16) Acetone	4.16	43	87015	282.256	ug/l	95
17) Carbon Disulfide	4.41	76	273744	50.914	ug/l	99
18) Methyl Acetate	4.72	43	28726	49.646	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	217633	52.778	ug/l	97
20) Methylene Chloride	4.97	84	107345	54.090	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	110285	50.328	ug/l	98
22) Diisopropyl ether	6.37	45	185429	51.752	ug/l	93
23) Vinyl Acetate	6.30	43	537533	269.670	ug/l	97
24) 1,1-Dichloroethane	6.26	63	163126	51.936	ug/l	94
25) 2-Butanone	7.21	43	80120	247.090	ug/l	97
26) 2,2-Dichloropropane	7.21	77	201080	53.687	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	123237	51.417	ug/l	96
28) Bromochloromethane	7.54	49	48364	48.499	ug/l	99
29) Tetrahydrofuran	7.56	42	45136	244.473	ug/l	98
30) Chloroform	7.71	83	212408	50.604	ug/l	96
31) Cyclohexane	7.99	56	130254	49.555	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	233546	52.709	ug/l	98
36) 1,1-Dichloropropene	8.12	75	153718	54.800	ug/l	99
37) Ethyl Acetate	7.30	43	36775	48.644	ug/l #	92
38) Carbon Tetrachloride	8.10	117	227967	53.713	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183443	55.185	ug/l	94
40) Benzene	8.36	78	417644	54.413	ug/l	98
41) Methacrylonitrile	7.53	41	18002m	50.157	ug/l	
42) 1,2-Dichloroethane	8.43	62	144648	52.877	ug/l	100
43) Isopropyl Acetate	8.46	43	75692	50.884	ug/l	98
44) Trichloroethene	9.11	130	138399	52.445	ug/l	97
45) 1,2-Dichloropropane	9.39	63	80610	51.170	ug/l	95
46) Dibromomethane	9.48	93	57099	52.131	ug/l	98
47) Bromodichloromethane	9.67	83	165988	53.158	ug/l	98
48) Methyl methacrylate	9.46	41	37708	49.922	ug/l	98
49) 1,4-Dioxane	9.47	88	11251	898.970	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	179619	255.130	ug/l	99
52) Toluene	10.41	92	287825	53.636	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	142238	52.777	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	158618	54.107	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	77954	52.006	ug/l	92
56) Ethyl methacrylate	10.66	69	78388	51.399	ug/l	98
57) 1,3-Dichloropropane	10.95	76	119053	50.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	178410	257.088	ug/l	97
59) 2-Hexanone	10.98	43	137284	276.613	ug/l	97
60) Dibromochloromethane	11.14	129	121819	53.914	ug/l	98
61) 1,2-Dibromoethane	11.25	107	73821	50.081	ug/l	98
64) Tetrachloroethene	10.88	164	126032	51.381	ug/l	96
65) Chlorobenzene	11.67	112	322518	51.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	134244	53.045	ug/l	97
67) Ethyl Benzene	11.75	91	571324	54.051	ug/l	97
68) m/p-Xylenes	11.85	106	445334	106.849	ug/l	99
69) o-Xylene	12.18	106	207265	56.016	ug/l	96
70) Styrene	12.20	104	349657	54.345	ug/l	99
71) Bromoform	12.37	173	67951	50.723	ug/l #	99
73) Isopropylbenzene	12.48	105	583478	52.850	ug/l	99
74) N-amyl acetate	12.29	43	65980	48.314	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	68991	47.332	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54417m	46.546	ug/l	
77) Bromobenzene	12.77	156	139697	50.897	ug/l	99
78) n-propylbenzene	12.83	91	641519	52.427	ug/l	100
79) 2-Chlorotoluene	12.91	91	375949	52.225	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	508379	53.185	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22328	45.685	ug/l	98
82) 4-Chlorotoluene	13.01	91	396103	51.583	ug/l	99
83) tert-Butylbenzene	13.23	119	434967	53.474	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	503322	52.953	ug/l	100
85) sec-Butylbenzene	13.40	105	570172	52.519	ug/l	99
86) p-Isopropyltoluene	13.52	119	551328	51.816	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	268113	50.640	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	262729	49.601	ug/l	100
89) n-Butylbenzene	13.84	91	471094	53.292	ug/l	99
90) Hexachloroethane	14.11	117	102800	52.331	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	226766	49.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14541	47.801	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	165551	51.541	ug/l	98
94) Hexachlorobutadiene	15.27	225	111052	52.984	ug/l	96
95) Naphthalene	15.40	128	264227	50.553	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	141612	51.052	ug/l	99

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

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