

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067832.D
 Acq On : 01 Dec 2020 12:49
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:05 PM

Quant Time: Dec 02 04:07:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	232642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	347861	139.28	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	278.56%#		
35) Dibromofluoromethane	7.92	113	319911	142.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	285.74%#		
50) Toluene-d8	10.34	98	1148691	142.51	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	285.02%#		
62) 4-Bromofluorobenzene	12.64	95	398751	143.09	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	286.18%#		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	298872	147.619	ug/l	98
3) Chloromethane	2.21	50	172255	147.423	ug/l	98
4) Vinyl Chloride	2.35	62	215297	146.305	ug/l	100
5) Bromomethane	2.75	94	188350	143.376	ug/l	90
6) Chloroethane	2.91	64	144360	150.671	ug/l	97
7) Trichlorofluoromethane	3.27	101	639167	141.942	ug/l	95
8) Diethyl Ether	3.70	74	127513	145.286	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	294656	143.499	ug/l	99
10) Methyl Iodide	4.30	142	371172	170.539	ug/l	97
11) Tert butyl alcohol	5.22	59	83094	429.838	ug/l	100
12) 1,1-Dichloroethene	4.07	96	280114	145.304	ug/l	99
13) Acrolein	3.93	56	78079	901.412	ug/l	96
14) Allyl chloride	4.71	41	281474	157.831	ug/l	98
15) Acrylonitrile	5.43	53	223990	736.022	ug/l	99
16) Acetone	4.16	43	220744	723.024	ug/l	95
17) Carbon Disulfide	4.41	76	782198	145.327	ug/l	98
18) Methyl Acetate	4.71	43	88077	140.301	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	639014	154.801	ug/l	97
20) Methylene Chloride	4.96	84	285296	121.708	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	313797	143.047	ug/l	98
22) Diisopropyl ether	6.37	45	528444	147.327	ug/l	97
23) Vinyl Acetate	6.30	43	1601013	802.335	ug/l	97
24) 1,1-Dichloroethane	6.27	63	450632	143.319	ug/l	98
25) 2-Butanone	7.21	43	234849	723.496	ug/l	97
26) 2,2-Dichloropropane	7.21	77	531659	141.797	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	349684	145.739	ug/l	100
28) Bromochloromethane	7.55	49	143702	143.948	ug/l	96
29) Tetrahydrofuran	7.56	42	135923	799.927	ug/l	98
30) Chloroform	7.71	83	586720	139.631	ug/l	95
31) Cyclohexane	7.99	56	351247	133.489	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	634821	143.119	ug/l	99
36) 1,1-Dichloropropene	8.11	75	422198	145.740	ug/l	98
37) Ethyl Acetate	7.29	43	109323	161.613	ug/l	97
38) Carbon Tetrachloride	8.10	117	620432	141.550	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	510653	148.749	ug/l	95
40) Benzene	8.36	78	1110567	140.103	ug/l	99
41) Methacrylonitrile	7.53	41	52227m	137.580	ug/l	
42) 1,2-Dichloroethane	8.43	62	402306	142.402	ug/l	99
43) Isopropyl Acetate	8.46	43	232739	151.499	ug/l	97
44) Trichloroethene	9.11	130	382861	140.481	ug/l	95
45) 1,2-Dichloropropane	9.39	63	227293	139.707	ug/l	98
46) Dibromomethane	9.48	93	161523	142.794	ug/l	97
47) Bromodichloromethane	9.66	83	457369	141.829	ug/l	99
48) Methyl methacrylate	9.46	41	115043	147.476	ug/l	97
49) 1,4-Dioxane	9.46	88	37272	2883.651	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	524641	721.567	ug/l	99
52) Toluene	10.41	92	780791	140.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	406874	146.181	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	445298	147.081	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	208182	134.483	ug/l	92
56) Ethyl methacrylate	10.67	69	234283	148.750	ug/l	98
57) 1,3-Dichloropropane	10.95	76	335635	136.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	565742	789.382	ug/l	100
59) 2-Hexanone	10.98	43	375412	732.431	ug/l	99
60) Dibromochloromethane	11.14	129	333944	143.108	ug/l	97
61) 1,2-Dibromoethane	11.25	107	208511	136.971	ug/l	99
64) Tetrachloroethene	10.88	164	339083	139.226	ug/l	96
65) Chlorobenzene	11.67	112	862975	140.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	356576	141.903	ug/l	95
67) Ethyl Benzene	11.75	91	1532781	146.048	ug/l	100
68) m/p-Xylenes	11.86	106	1193098	288.306	ug/l	100
69) o-Xylene	12.18	106	552141	150.289	ug/l	99
70) Styrene	12.20	104	934385	146.264	ug/l	100
71) Bromoform	12.36	173	193886	145.765	ug/l	96
73) Isopropylbenzene	12.48	105	1550233	150.999	ug/l	98
74) N-amyl acetate	12.29	43	199156	156.826	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	194856	143.760	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	148083m	133.382	ug/l	
77) Bromobenzene	12.76	156	371941	145.726	ug/l	97
78) n-propylbenzene	12.83	91	1684092	148.002	ug/l	100
79) 2-Chlorotoluene	12.91	91	979523	146.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1319428	148.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	67846	149.282	ug/l	95
82) 4-Chlorotoluene	13.01	91	1031519	144.455	ug/l	99
83) tert-Butylbenzene	13.23	119	1136228	150.215	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1305442	147.692	ug/l	99
85) sec-Butylbenzene	13.40	105	1505196	149.094	ug/l	99
86) p-Isopropyltoluene	13.52	119	1448805	146.426	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	692941	140.743	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	691369	140.363	ug/l	98
89) n-Butylbenzene	13.84	91	1216055	147.935	ug/l	98
90) Hexachloroethane	14.11	117	273471	149.705	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	604094	141.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40452	143.002	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	452189	151.389	ug/l	99
94) Hexachlorobutadiene	15.27	225	290438	149.015	ug/l	98
95) Naphthalene	15.40	128	771781	158.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	388113	150.462	ug/l	99

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

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