

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069041.D
 Acq On : 03 May 2021 13:40
 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
 5/4/2021 5:35:22 PM

Quant Time: May 03 13:53:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	248283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	421019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	414149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	194746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	479062	153.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.40%#			
35) Dibromofluoromethane	7.908	113	425316	155.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 310.86%#			
50) Toluene-d8	10.338	98	1680291	170.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 340.90%#			
62) 4-Bromofluorobenzene	12.626	95	568013	170.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 341.48%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	399906	128.85	ug/l	98
3) Chloromethane	2.209	50	473861	120.77	ug/l	99
4) Vinyl Chloride	2.344	62	555184	113.78	ug/l	96
5) Bromomethane	2.726	94	307325	112.74	ug/l	100
7) Trichlorofluoromethane	3.256	101	701649	128.82	ug/l	98
8) Diethyl Ether	3.703	74	197789	154.14	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.085	101	379895	126.92	ug/l	95
10) Methyl Iodide	4.291	142	388697	176.40	ug/l	91
11) Tert butyl alcohol	5.238	59	131253	499.67	ug/l #	87
12) 1,1-Dichloroethene	4.056	96	364779	137.07	ug/l	87
13) Acrolein	3.920	56	146552	677.36	ug/l	96
14) Allyl chloride	4.708	41	512868	149.34	ug/l	92
15) Acrylonitrile	5.414	53	442680	768.49	ug/l	96
16) Acetone	4.156	43	323791	612.60	ug/l	94
17) Carbon Disulfide	4.403	76	1192236	133.70	ug/l	99
18) Methyl Acetate	4.714	43	190760	143.98	ug/l	90
19) Methyl tert-butyl Ether	5.479	73	951714	162.37	ug/l	99
20) Methylene Chloride	4.961	84	429314	96.13	ug/l #	90
21) trans-1,2-Dichloroethene	5.461	96	440512	141.19	ug/l	89
22) Diisopropyl ether	6.367	45	1172782	155.46	ug/l	93
23) Vinyl Acetate	6.303	43	3729859	898.81	ug/l	96
24) 1,1-Dichloroethane	6.261	63	738180	136.63	ug/l	99
25) 2-Butanone	7.214	43	540395	775.77	ug/l	90
26) 2,2-Dichloropropane	7.208	77	674309	135.33	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	488212	148.18	ug/l	92
28) Bromochloromethane	7.544	49	311203	137.09	ug/l	85
29) Tetrahydrofuran	7.561	42	350629	799.45	ug/l	90
30) Chloroform	7.708	83	809285	137.08	ug/l	96
31) Cyclohexane	7.979	56	633863	132.14	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	733064	135.16	ug/l	99
36) 1,1-Dichloropropene	8.108	75	615172	146.31	ug/l	99
37) Ethyl Acetate	7.291	43	255039	157.83	ug/l #	93
38) Carbon Tetrachloride	8.097	117	652682	143.95	ug/l	98
39) Methylcyclohexane	9.349	83	750330	161.83	ug/l	96
40) Benzene	8.349	78	1755329	146.29	ug/l	97
41) Methacrylonitrile	7.520	41	128925m	145.46	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.420	62	552537	143.77	ug/l	95
43) Isopropyl Acetate	8.449	43	495680	160.68	ug/l	92
44) Trichloroethene	9.114	130	454278	145.03	ug/l	97
45) 1,2-Dichloropropane	9.385	63	433375	146.50	ug/l	94
46) Dibromomethane	9.473	93	248141	142.92	ug/l	94
47) Bromodichloromethane	9.661	83	658554	143.16	ug/l	99
48) Methyl methacrylate	9.455	41	238020	173.45	ug/l	91
49) 1,4-Dioxane	9.461	88	63357	3187.09	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1311038	844.08	ug/l	91
52) Toluene	10.402	92	1161198	155.70	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	624575	159.06	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	719481	159.87	ug/l #	89
55) 1,1,2-Trichloroethane	10.796	97	332589	146.04	ug/l	95
56) Ethyl methacrylate	10.661	69	431670	184.96	ug/l #	81
57) 1,3-Dichloropropane	10.943	76	589285	150.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	1118825	877.68	ug/l	96
59) 2-Hexanone	10.979	43	913380	874.80	ug/l	91
60) Dibromochloromethane	11.138	129	443237	151.15	ug/l	99
61) 1,2-Dibromoethane	11.243	107	331481	151.68	ug/l	100
64) Tetrachloroethene	10.873	164	367016	141.50	ug/l	97
65) Chlorobenzene	11.667	112	1209890	143.36	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	456985	141.67	ug/l	99
67) Ethyl Benzene	11.743	91	2302522	157.31	ug/l	99
68) m/p-Xylenes	11.849	106	1713824	312.47	ug/l	95
69) o-Xylene	12.179	106	801631	163.62	ug/l	96
70) Styrene	12.190	104	1396870	161.72	ug/l	97
71) Bromoform	12.355	173	242031	149.52	ug/l #	98
73) Isopropylbenzene	12.473	105	2163668	164.85	ug/l	98
74) N-amyl acetate	12.285	43	513232	185.80	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.726	83	389196	147.55	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	261806m	146.63	ug/l	
77) Bromobenzene	12.755	156	477055	155.54	ug/l	92
78) n-propylbenzene	12.814	91	2600500	161.20	ug/l	99
79) 2-Chlorotoluene	12.902	91	1429168	157.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1820978	163.11	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	122315	155.93	ug/l	91
82) 4-Chlorotoluene	13.002	91	1505146	152.17	ug/l	98
83) tert-Butylbenzene	13.220	119	1507761	162.81	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	1845832	163.39	ug/l	99
85) sec-Butylbenzene	13.396	105	2118474	158.52	ug/l	99
86) p-Isopropyltoluene	13.508	119	1986433	165.83	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	916452	144.74	ug/l	95
88) 1,4-Dichlorobenzene	13.590	146	899003	142.22	ug/l	99
89) n-Butylbenzene	13.837	91	1902266	165.24	ug/l	98
90) Hexachloroethane	14.102	117	377555	149.82	ug/l	92
91) 1,2-Dichlorobenzene	13.884	146	797890	147.27	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	66314	148.48	ug/l	81
93) 1,2,4-Trichlorobenzene	15.155	180	514815	158.52	ug/l	97
94) Hexachlorobutadiene	15.261	225	270633	144.57	ug/l	99
95) Naphthalene	15.390	128	1070411	183.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	450471	159.76	ug/l	98

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

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