

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069497.D
 Acq On : 21 Jun 2021 12:37
 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
 6/22/2021 6:12:12 PM

Quant Time: Jun 22 04:06:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:03:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	634352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1099482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1035112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	468836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1089326	140.990	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 281.980%#			
35) Dibromofluoromethane	7.914	113	1026659	138.209	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 276.420%#			
50) Toluene-d8	10.338	98	4040412	145.612	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 291.220%#			
62) 4-Bromofluorobenzene	12.626	95	1391680	153.177	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 306.360%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	832476	137.935	ug/l	96
3) Chloromethane	2.209	50	1196839	136.098	ug/l	100
4) Vinyl Chloride	2.344	62	1360661	137.291	ug/l	99
5) Bromomethane	2.738	94	857974	133.545	ug/l	99
6) Chloroethane	2.903	64	893856	136.239	ug/l	97
7) Trichlorofluoromethane	3.262	101	1606820	136.417	ug/l	95
8) Diethyl Ether	3.709	74	494977	159.501	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	967555	135.065	ug/l	98
10) Methyl Iodide	4.297	142	1039686	184.883	ug/l	99
11) Tert butyl alcohol	5.226	59	271541	502.271	ug/l #	88
12) 1,1-Dichloroethene	4.062	96	923025	145.328	ug/l	97
13) Acrolein	3.920	56	372209	860.646	ug/l	99
14) Allyl chloride	4.709	41	1419661	163.179	ug/l	98
15) Acrylonitrile	5.414	53	1011466	776.847	ug/l	99
16) Acetone	4.156	43	908969	680.910	ug/l	98
17) Carbon Disulfide	4.403	76	2988499	143.985	ug/l	99
18) Methyl Acetate	4.714	43	477256	130.062	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	2013969	166.304	ug/l	98
20) Methylene Chloride	4.962	84	1144730	106.104	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	1092605	145.896	ug/l	97
22) Diisopropyl ether	6.361	45	2883617	163.855	ug/l	97
23) Vinyl Acetate	6.303	43	8874794	923.852	ug/l	98
24) 1,1-Dichloroethane	6.261	63	2026001	145.333	ug/l	99
25) 2-Butanone	7.208	43	1308201	789.387	ug/l	99
26) 2,2-Dichloropropane	7.208	77	1670969	147.289	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	1259867	154.103	ug/l	99
28) Bromochloromethane	7.544	49	820364	149.092	ug/l	99
29) Tetrahydrofuran	7.561	42	761777	834.923	ug/l	100
30) Chloroform	7.708	83	2078735	141.592	ug/l	97
31) Cyclohexane	7.985	56	1544681	145.927	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	1751746	143.721	ug/l	98
36) 1,1-Dichloropropene	8.108	75	1585325	146.649	ug/l	99
37) Ethyl Acetate	7.291	43	609192	155.116	ug/l	98
38) Carbon Tetrachloride	8.097	117	1497858	140.033	ug/l	98
39) Methylcyclohexane	9.355	83	1717543	159.392	ug/l	97
40) Benzene	8.350	78	4523086	146.512	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	363403	164.350	ug/l	88
42) 1,2-Dichloroethane	8.420	62	1292600	144.838	ug/l	99
43) Isopropyl Acetate	8.450	43	1155951	160.845	ug/l	98
44) Trichloroethene	9.108	130	1135145	145.263	ug/l	96
45) 1,2-Dichloropropane	9.385	63	1157383	146.082	ug/l	99
46) Dibromomethane	9.473	93	598775	143.399	ug/l	99
47) Bromodichloromethane	9.661	83	1606589	143.579	ug/l	100
48) Methyl methacrylate	9.455	41	552813	161.300	ug/l	97
49) 1,4-Dioxane	9.455	88	127499	3129.984	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	3040902	801.644	ug/l	100
52) Toluene	10.402	92	2898191	151.980	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	1509577	157.148	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	1799820	155.445	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	828821	142.679	ug/l	99
56) Ethyl methacrylate	10.655	69	1071357	173.638	ug/l	99
57) 1,3-Dichloropropane	10.944	76	1490302	152.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	2774559	840.824	ug/l	99
59) 2-Hexanone	10.979	43	2079506	815.917	ug/l	99
60) Dibromochloromethane	11.138	129	1014071	147.596	ug/l	100
61) 1,2-Dibromoethane	11.244	107	803552	147.288	ug/l	100
64) Tetrachloroethene	10.873	164	883744	134.737	ug/l	98
65) Chlorobenzene	11.667	112	2964873	145.172	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	1082462	145.776	ug/l	100
67) Ethyl Benzene	11.738	91	5607553	156.887	ug/l	99
68) m/p-Xylenes	11.849	106	4181823	309.230	ug/l	98
69) o-Xylene	12.173	106	1979247	163.966	ug/l	100
70) Styrene	12.191	104	3413793	160.001	ug/l	99
71) Bromoform	12.355	173	543349	144.270	ug/l #	99
73) Isopropylbenzene	12.473	105	5257731	164.038	ug/l	99
74) N-amyl acetate	12.285	43	1119315	173.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	940559	146.463	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	678935m	164.013	ug/l	
77) Bromobenzene	12.755	156	1122953	152.700	ug/l	96
78) n-propylbenzene	12.814	91	6384013	158.280	ug/l	99
79) 2-Chlorotoluene	12.902	91	3657207	158.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	4350403	161.061	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	291728	163.138	ug/l	98
82) 4-Chlorotoluene	12.996	91	3819258	154.072	ug/l	99
83) tert-Butylbenzene	13.214	119	3724057	168.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	4350523	162.095	ug/l	99
85) sec-Butylbenzene	13.390	105	5326588	156.646	ug/l	99
86) p-Isopropyltoluene	13.508	119	4648297	163.203	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	2208539	147.769	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	2138582	143.394	ug/l	99
89) n-Butylbenzene	13.832	91	4559844	159.872	ug/l	99
90) Hexachloroethane	14.102	117	816361	146.617	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	1909189	147.081	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	142947	147.790	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	1139032	158.657	ug/l	100
94) Hexachlorobutadiene	15.255	225	657066	145.045	ug/l	99
95) Naphthalene	15.390	128	2283779	177.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	995148	156.575	ug/l	99

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

