

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069498.D
 Acq On : 21 Jun 2021 13:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062121

Manual Integrations
 APPROVED

MMDadoda
 6/22/2021 6:12:13 PM

Quant Time: Jun 22 04:43:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	591757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1024595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	967456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	450512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	373412	50.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.240%			
35) Dibromofluoromethane	7.914	113	352533	50.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.338	98	1358610	52.296	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.626	95	453011	53.041	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	294423	51.872	ug/l	98
3) Chloromethane	2.209	50	444801	53.574	ug/l	98
4) Vinyl Chloride	2.350	62	485827	52.493	ug/l	99
5) Bromomethane	2.768	94	309554	56.083	ug/l	94
6) Chloroethane	2.921	64	326301	52.929	ug/l	100
7) Trichlorofluoromethane	3.268	101	572731	52.109	ug/l	96
8) Diethyl Ether	3.709	74	163806	56.341	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	342297	50.918	ug/l	98
10) Methyl Iodide	4.303	142	294497	47.724	ug/l	99
11) Tert butyl alcohol	5.215	59	106857	283.328	ug/l	97
12) 1,1-Dichloroethene	4.068	96	321461	55.012	ug/l	97
13) Acrolein	3.926	56	124680	303.687	ug/l	99
14) Allyl chloride	4.709	41	475843	58.085	ug/l	99
15) Acrylonitrile	5.420	53	338884	277.667	ug/l	99
16) Acetone	4.156	43	280869	226.229	ug/l	97
17) Carbon Disulfide	4.409	76	1053676	54.767	ug/l	99
18) Methyl Acetate	4.720	43	165578	53.939	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	667742	58.144	ug/l	96
20) Methylene Chloride	4.967	84	430821	55.171	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	387973	55.031	ug/l	95
22) Diisopropyl ether	6.362	45	985027	59.671	ug/l	98
23) Vinyl Acetate	6.303	43	2911821	275.278	ug/l	100
24) 1,1-Dichloroethane	6.262	63	712179	54.467	ug/l	99
25) 2-Butanone	7.209	43	424794	269.259	ug/l	98
26) 2,2-Dichloropropane	7.209	77	557882	52.190	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	431647	56.347	ug/l	99
28) Bromochloromethane	7.544	49	294593	57.525	ug/l	99
29) Tetrahydrofuran	7.561	42	249626	288.608	ug/l	99
30) Chloroform	7.708	83	744534	53.866	ug/l	95
31) Cyclohexane	7.985	56	513478	51.702	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	607792	53.361	ug/l	99
36) 1,1-Dichloropropene	8.108	75	547498	54.446	ug/l	99
37) Ethyl Acetate	7.297	43	204434	54.785	ug/l	98
38) Carbon Tetrachloride	8.097	117	520542	52.305	ug/l	99
39) Methylcyclohexane	9.355	83	546404	55.084	ug/l	99
40) Benzene	8.350	78	1575968	54.363	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	118962	54.782	ug/l	92
42) 1,2-Dichloroethane	8.420	62	456528	54.204	ug/l	99
43) Isopropyl Acetate	8.450	43	377935	55.750	ug/l	98
44) Trichloroethene	9.114	130	387257	52.939	ug/l	100
45) 1,2-Dichloropropane	9.385	63	407954	54.820	ug/l	96
46) Dibromomethane	9.473	93	211636	54.301	ug/l	97
47) Bromodichloromethane	9.661	83	562387	53.736	ug/l	96
48) Methyl methacrylate	9.455	41	181225	56.274	ug/l	97
49) 1,4-Dioxane	9.461	88	44688	1163.968	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1021693	286.596	ug/l	99
52) Toluene	10.402	92	1000469	55.928	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	509201	56.273	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	603972	55.504	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	290329	52.752	ug/l	97
56) Ethyl methacrylate	10.661	69	346897	53.427	ug/l	97
57) 1,3-Dichloropropane	10.944	76	505604	54.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	904920	266.548	ug/l	99
59) 2-Hexanone	10.979	43	683146	283.974	ug/l	99
60) Dibromochloromethane	11.138	129	347885	53.630	ug/l	99
61) 1,2-Dibromoethane	11.244	107	272253	53.651	ug/l	98
64) Tetrachloroethene	10.873	164	315168	51.875	ug/l	96
65) Chlorobenzene	11.667	112	1027547	53.402	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	372565	53.257	ug/l	100
67) Ethyl Benzene	11.738	91	1887223	56.146	ug/l	99
68) m/p-Xylenes	11.849	106	1426348	112.701	ug/l	100
69) o-Xylene	12.173	106	653117	57.569	ug/l	98
70) Styrene	12.191	104	1165135	58.306	ug/l	100
71) Bromoform	12.355	173	183532	51.770	ug/l	100
73) Isopropylbenzene	12.473	105	1741189	56.096	ug/l	99
74) N-amyl acetate	12.285	43	358073	56.818	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	323564	51.898	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	245492m	55.512	ug/l	
77) Bromobenzene	12.755	156	380414	53.971	ug/l	94
78) n-propylbenzene	12.814	91	2201772	56.515	ug/l	100
79) 2-Chlorotoluene	12.902	91	1249139	56.124	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1496031	57.272	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	97392	54.988	ug/l	97
82) 4-Chlorotoluene	12.996	91	1327247	55.620	ug/l	100
83) tert-Butylbenzene	13.214	119	1241909	52.963	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1503397	57.895	ug/l	98
85) sec-Butylbenzene	13.391	105	1836544	56.390	ug/l	100
86) p-Isopropyltoluene	13.508	119	1574644	57.439	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	766891	53.125	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	761238	52.930	ug/l	99
89) n-Butylbenzene	13.832	91	1522404	55.669	ug/l	99
90) Hexachloroethane	14.102	117	281512	52.532	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	660141	52.862	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	46837	49.512	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	395988	56.843	ug/l	99
94) Hexachlorobutadiene	15.255	225	220598	50.469	ug/l	99
95) Naphthalene	15.390	128	732092	52.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	338691	55.158	ug/l	99

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

