

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070364.D
 Acq On : 14 Sep 2021 20:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/15/2021 5:31:24 PM

Quant Time: Sep 15 02:48:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	356770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	648840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	235530	51.414	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.914	113	237889	50.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.160%			
50) Toluene-d8	10.338	98	904437	52.966	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.626	95	308542	51.701	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	154955	42.806	ug/l	98
3) Chloromethane	2.209	50	230438	47.548	ug/l	98
4) Vinyl Chloride	2.344	62	240261	42.802	ug/l	99
5) Bromomethane	2.762	94	170710	50.092	ug/l	99
6) Chloroethane	2.921	64	164273	48.212	ug/l	99
7) Trichlorofluoromethane	3.268	101	310641	41.840	ug/l	99
8) Diethyl Ether	3.709	74	96863	47.194	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	194125	42.092	ug/l	97
10) Methyl Iodide	4.297	142	190055	43.190	ug/l	98
11) Tert butyl alcohol	5.215	59	78132	150.844	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	184122	44.329	ug/l	96
13) Acrolein	3.920	56	65836	289.097	ug/l	95
14) Allyl chloride	4.715	41	273813	44.861	ug/l	97
15) Acrylonitrile	5.415	53	235215	240.528	ug/l	99
16) Acetone	4.156	43	154957	189.464	ug/l	95
17) Carbon Disulfide	4.409	76	648235	42.300	ug/l	97
18) Methyl Acetate	4.720	43	113447	50.558	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	441181	49.151	ug/l	98
20) Methylene Chloride	4.962	84	269770	53.434	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	228089	46.131	ug/l	99
22) Diisopropyl ether	6.362	45	648428	49.635	ug/l	98
23) Vinyl Acetate	6.303	43	1499493	247.768	ug/l	98
24) 1,1-Dichloroethane	6.262	63	422547	45.714	ug/l	97
25) 2-Butanone	7.209	43	255659	234.826	ug/l	93
26) 2,2-Dichloropropane	7.209	77	302364	40.469	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	254771	47.968	ug/l	99
28) Bromochloromethane	7.544	49	197181	53.764	ug/l	94
29) Tetrahydrofuran	7.561	42	170237	243.583	ug/l	98
30) Chloroform	7.708	83	443273	46.777	ug/l	98
31) Cyclohexane	7.985	56	317293	40.209	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	348285	43.666	ug/l	97
36) 1,1-Dichloropropene	8.108	75	310439	43.957	ug/l	98
37) Ethyl Acetate	7.291	43	123129	46.625	ug/l #	95
38) Carbon Tetrachloride	8.091	117	298441	42.728	ug/l	98
39) Methylcyclohexane	9.355	83	326071	41.329	ug/l	97
40) Benzene	8.350	78	951093	45.955	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	64188m	46.197	ug/l	
42) 1,2-Dichloroethane	8.420	62	255419	46.079	ug/l	100
43) Isopropyl Acetate	8.450	43	225292	46.139	ug/l	97
44) Trichloroethene	9.108	130	225644	45.619	ug/l	96
45) 1,2-Dichloropropane	9.385	63	254228	46.821	ug/l	94
46) Dibromomethane	9.473	93	132754	47.478	ug/l	97
47) Bromodichloromethane	9.655	83	335688	47.059	ug/l	94
48) Methyl methacrylate	9.455	41	99157	43.982	ug/l	93
49) 1,4-Dioxane	9.455	88	28647	1022.907	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	616191	243.872	ug/l	97
52) Toluene	10.397	92	602934	48.215	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	288268	46.979	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	344876	46.183	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	180875	47.023	ug/l	98
56) Ethyl methacrylate	10.655	69	211831	50.447	ug/l	97
57) 1,3-Dichloropropane	10.938	76	308242	47.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	523005	258.419	ug/l	99
59) 2-Hexanone	10.979	43	411601	244.156	ug/l	98
60) Dibromochloromethane	11.132	129	212872	47.554	ug/l	98
61) 1,2-Dibromoethane	11.238	107	166560	47.084	ug/l	98
64) Tetrachloroethene	10.873	164	181013	45.821	ug/l	98
65) Chlorobenzene	11.667	112	611699	45.508	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	227953	46.304	ug/l	99
67) Ethyl Benzene	11.738	91	1095771	47.269	ug/l	99
68) m/p-Xylenes	11.844	106	862343	96.317	ug/l	99
69) o-Xylene	12.173	106	393043	49.003	ug/l	98
70) Styrene	12.185	104	711492	50.779	ug/l	99
71) Bromoform	12.349	173	116328	47.810	ug/l #	95
73) Isopropylbenzene	12.473	105	1002985	45.078	ug/l	99
74) N-amyl acetate	12.279	43	208012	42.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	210439	44.159	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	132748m	41.364	ug/l	
77) Bromobenzene	12.749	156	226565	44.136	ug/l	96
78) n-propylbenzene	12.808	91	1301444	45.066	ug/l	100
79) 2-Chlorotoluene	12.896	91	759499	45.120	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	886510	46.166	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	56210	43.886	ug/l	97
82) 4-Chlorotoluene	12.996	91	792853	44.648	ug/l	100
83) tert-Butylbenzene	13.214	119	700268	45.469	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	887754	46.947	ug/l	99
85) sec-Butylbenzene	13.391	105	1073736	43.861	ug/l	99
86) p-Isopropyltoluene	13.502	119	894914	45.498	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	479567	44.872	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	466022	43.442	ug/l	99
89) n-Butylbenzene	13.832	91	837749	42.719	ug/l	100
90) Hexachloroethane	14.096	117	186398	41.398	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	415382	44.051	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	29893	41.885	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	222074	43.611	ug/l	98
94) Hexachlorobutadiene	15.255	225	125513	40.185	ug/l	99
95) Naphthalene	15.385	128	424080	45.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	198255	44.127	ug/l	99

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

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