

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070447.D
 Acq On : 24 Sep 2021 11:40
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:58:18 AM

Quant Time: Sep 25 03:07:22 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	373188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	667618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	634526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	302649	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	228718	47.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.46%		
35) Dibromofluoromethane	7.909	113	234520	49.35	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.70%		
50) Toluene-d8	10.332	98	897211	52.00	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.00%		
62) 4-Bromofluorobenzene	12.626	95	305310	50.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.26%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	81937	19.22	ug/l	93
3) Chloromethane	2.209	50	103967	18.00	ug/l	100
4) Vinyl Chloride	2.344	62	116667	19.87	ug/l	97
5) Bromomethane	2.750	94	75323	17.77	ug/l	98
6) Chloroethane	2.909	64	71569	17.81	ug/l	96
7) Trichlorofluoromethane	3.268	101	154387	19.88	ug/l	93
8) Diethyl Ether	3.709	74	37528	17.48	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	94821	19.66	ug/l	99
10) Methyl Iodide	4.291	142	78998	17.78	ug/l	100
11) Tert butyl alcohol	5.191	59	50177	92.61	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	81773	18.82	ug/l	94
13) Acrolein	3.920	56	14183	59.54	ug/l	95
14) Allyl chloride	4.709	41	113054	17.71	ug/l	99
15) Acrylonitrile	5.415	53	89776	87.77	ug/l	97
16) Acetone	4.156	43	72980	85.31	ug/l	92
17) Carbon Disulfide	4.409	76	290810	18.14	ug/l	100
18) Methyl Acetate	4.715	43	42277	17.01	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	162660	17.32	ug/l	100
20) Methylene Chloride	4.962	84	124353	18.79	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	97980	18.94	ug/l	98
22) Diisopropyl ether	6.362	45	244386	17.88	ug/l	93
23) Vinyl Acetate	6.303	43	529722	83.68	ug/l	96
24) 1,1-Dichloroethane	6.262	63	179321	18.55	ug/l #	96
25) 2-Butanone	7.209	43	97027	85.20	ug/l	95
26) 2,2-Dichloropropane	7.203	77	154825	19.81	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	104943	18.89	ug/l	98
28) Bromochloromethane	7.544	49	66239	17.27	ug/l	96
29) Tetrahydrofuran	7.561	42	59911	81.95	ug/l	96
30) Chloroform	7.709	83	185172	18.68	ug/l	98
31) Cyclohexane	7.985	56	151079	18.30	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	163830	19.64	ug/l	98
36) 1,1-Dichloropropene	8.108	75	140062	19.63	ug/l	98
37) Ethyl Acetate	7.291	43	40546	15.19	ug/l	95
38) Carbon Tetrachloride	8.091	117	143305	20.31	ug/l	95
39) Methylcyclohexane	9.350	83	144277	18.10	ug/l	92
40) Benzene	8.350	78	403538	19.30	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	23360	16.64	ug/l	97
42) 1,2-Dichloroethane	8.420	62	105256	18.79	ug/l	97
43) Isopropyl Acetate	8.450	43	84723	17.17	ug/l	98
44) Trichloroethene	9.108	130	97771	19.56	ug/l	95
45) 1,2-Dichloropropane	9.385	63	101497	18.50	ug/l	94
46) Dibromomethane	9.473	93	52875	18.72	ug/l	96
47) Bromodichloromethane	9.655	83	132849	18.43	ug/l #	97
48) Methyl methacrylate	9.455	41	38166	16.75	ug/l	99
49) 1,4-Dioxane	9.461	88	9961	352.01	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	216006	84.61	ug/l	98
52) Toluene	10.397	92	255321	20.21	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	117752	18.99	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	145083	19.23	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	73602	18.94	ug/l	96
56) Ethyl methacrylate	10.655	69	74235	17.50	ug/l	96
57) 1,3-Dichloropropane	10.938	76	123306	18.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	196717	96.19	ug/l	100
59) 2-Hexanone	10.979	43	147540	86.61	ug/l	97
60) Dibromochloromethane	11.132	129	85457	18.89	ug/l	96
61) 1,2-Dibromoethane	11.238	107	66274	18.54	ug/l	97
64) Tetrachloroethene	10.873	164	78503	20.32	ug/l	96
65) Chlorobenzene	11.661	112	257239	19.57	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	96517	20.05	ug/l	98
67) Ethyl Benzene	11.738	91	442062	19.50	ug/l	98
68) m/p-Xylenes	11.844	106	357858	40.87	ug/l	100
69) o-Xylene	12.173	106	151028	19.25	ug/l	96
70) Styrene	12.191	104	276231	20.16	ug/l	100
71) Bromoform	12.355	173	45964	19.32	ug/l #	97
73) Isopropylbenzene	12.473	105	407513	19.20	ug/l	99
74) N-amyl acetate	12.279	43	78774	17.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	81128	17.85	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	53697m	17.54	ug/l	
77) Bromobenzene	12.749	156	95758	19.56	ug/l	97
78) n-propylbenzene	12.808	91	539869	19.60	ug/l	100
79) 2-Chlorotoluene	12.896	91	309299	19.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	364775	19.91	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23554	19.28	ug/l	98
82) 4-Chlorotoluene	12.996	91	332060	19.60	ug/l	99
83) tert-Butylbenzene	13.214	119	288635	19.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	363130	20.13	ug/l	98
85) sec-Butylbenzene	13.391	105	464929	19.91	ug/l	99
86) p-Isopropyltoluene	13.502	119	371649	19.81	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	201072	19.72	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	196645	19.22	ug/l	98
89) n-Butylbenzene	13.832	91	357746	19.12	ug/l	98
90) Hexachloroethane	14.096	117	82218	19.14	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	168245	18.70	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11418	16.77	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	89488	18.42	ug/l	97
94) Hexachlorobutadiene	15.255	225	56226	18.87	ug/l	98
95) Naphthalene	15.385	128	149425	16.93	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	76486	17.85	ug/l	99

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

