

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070446.D
 Acq On : 24 Sep 2021 11:12
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:58:15 AM

Quant Time: Sep 25 03:07:03 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	360581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	633309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	614901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	292439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	221050	47.74	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.48%		
35) Dibromofluoromethane	7.914	113	227523	50.47	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.94%		
50) Toluene-d8	10.332	98	877166	53.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.18%		
62) 4-Bromofluorobenzene	12.626	95	301926	52.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.56%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	80311	19.57	ug/l	97
3) Chloromethane	2.209	50	101870	18.32	ug/l	99
4) Vinyl Chloride	2.350	62	112347	19.80	ug/l	91
5) Bromomethane	2.750	94	77510	19.30	ug/l	92
6) Chloroethane	2.915	64	74640	19.54	ug/l	97
7) Trichlorofluoromethane	3.274	101	150505	20.06	ug/l	91
8) Diethyl Ether	3.709	74	37176	17.92	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	94143	20.20	ug/l	100
10) Methyl Iodide	4.303	142	71463	16.71	ug/l	97
11) Tert butyl alcohol	5.185	59	53027	101.29	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	78982	18.81	ug/l	92
13) Acrolein	3.921	56	13798	59.95	ug/l	90
14) Allyl chloride	4.709	41	108388	17.57	ug/l	99
15) Acrylonitrile	5.415	53	89033	90.08	ug/l	99
16) Acetone	4.150	43	74905	90.62	ug/l	93
17) Carbon Disulfide	4.403	76	287202	18.54	ug/l	98
18) Methyl Acetate	4.721	43	43130	18.04	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	156653	17.27	ug/l	100
20) Methylene Chloride	4.962	84	125264	19.95	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	95682	19.15	ug/l	97
22) Diisopropyl ether	6.362	45	241895	18.32	ug/l	99
23) Vinyl Acetate	6.303	43	513230	83.91	ug/l	99
24) 1,1-Dichloroethane	6.262	63	177656	19.02	ug/l	99
25) 2-Butanone	7.209	43	97090	88.24	ug/l	91
26) 2,2-Dichloropropane	7.203	77	150591	19.94	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	101555	18.92	ug/l	97
28) Bromochloromethane	7.550	49	63709	17.19	ug/l	97
29) Tetrahydrofuran	7.556	42	58258	82.48	ug/l	95
30) Chloroform	7.709	83	183465	19.16	ug/l	100
31) Cyclohexane	7.985	56	148075	18.57	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	160576	19.92	ug/l	97
36) 1,1-Dichloropropene	8.109	75	133288	19.69	ug/l	99
37) Ethyl Acetate	7.291	43	45014	17.78	ug/l	97
38) Carbon Tetrachloride	8.097	117	140690	21.01	ug/l	99
39) Methylcyclohexane	9.356	83	144676	19.13	ug/l	99
40) Benzene	8.350	78	404972	20.41	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	22236	16.70	ug/l	97
42) 1,2-Dichloroethane	8.420	62	105754	19.90	ug/l	99
43) Isopropyl Acetate	8.450	43	80425	17.18	ug/l	94
44) Trichloroethene	9.108	130	96032	20.26	ug/l	92
45) 1,2-Dichloropropane	9.385	63	106398	20.44	ug/l	96
46) Dibromomethane	9.473	93	53259	19.87	ug/l	96
47) Bromodichloromethane	9.656	83	132041	19.31	ug/l	100
48) Methyl methacrylate	9.450	41	36236	16.77	ug/l #	87
49) 1,4-Dioxane	9.456	88	10183	379.35	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	213583	88.19	ug/l	99
52) Toluene	10.397	92	250254	20.88	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	114610	19.49	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	141434	19.76	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	71094	19.28	ug/l	96
56) Ethyl methacrylate	10.655	69	69894	17.37	ug/l	96
57) 1,3-Dichloropropane	10.938	76	124157	19.78	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	194203	100.11	ug/l	100
59) 2-Hexanone	10.979	43	146696	90.78	ug/l	97
60) Dibromochloromethane	11.132	129	85938	20.03	ug/l	97
61) 1,2-Dibromoethane	11.238	107	67678	19.96	ug/l	99
64) Tetrachloroethene	10.873	164	80684	21.55	ug/l	96
65) Chlorobenzene	11.661	112	254724	20.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	95587	20.49	ug/l	97
67) Ethyl Benzene	11.738	91	436588	19.87	ug/l	99
68) m/p-Xylenes	11.844	106	348611	41.09	ug/l	99
69) o-Xylene	12.173	106	148783	19.57	ug/l	97
70) Styrene	12.185	104	269676	20.31	ug/l	99
71) Bromoform	12.350	173	44152	19.15	ug/l #	98
73) Isopropylbenzene	12.473	105	398487	19.43	ug/l	100
74) N-amyl acetate	12.279	43	76767	17.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	81825	18.63	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	53146m	17.97	ug/l	
77) Bromobenzene	12.749	156	92871	19.63	ug/l	99
78) n-propylbenzene	12.814	91	537575	20.20	ug/l	100
79) 2-Chlorotoluene	12.897	91	313577	20.21	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	361384	20.42	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	21985	18.62	ug/l	96
82) 4-Chlorotoluene	12.997	91	329107	20.11	ug/l	100
83) tert-Butylbenzene	13.214	119	279983	19.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	356325	20.44	ug/l	98
85) sec-Butylbenzene	13.391	105	450988	19.99	ug/l	99
86) p-Isopropyltoluene	13.508	119	370855	20.46	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	199681	20.27	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	190042	19.22	ug/l	97
89) n-Butylbenzene	13.832	91	350764	19.41	ug/l	97
90) Hexachloroethane	14.102	117	79083	19.06	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	167758	19.30	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12172	18.50	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	84864	18.08	ug/l	99
94) Hexachlorobutadiene	15.249	225	59547	20.68	ug/l	96
95) Naphthalene	15.385	128	143607	16.84	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	74109	17.90	ug/l	99

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

