

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070518.D
 Acq On : 29 Sep 2021 12:59
 Operator : VA/SY
 Sample : VD0929SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0929SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 6:19:50 PM

Quant Time: Sep 30 00:43:54 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	374784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	620280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	286126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	201424	41.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.720%
35) Dibromofluoromethane	7.914	113	213449	45.382	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.760%
50) Toluene-d8	10.338	98	819711	48.002	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.000%
62) 4-Bromofluorobenzene	12.626	95	278042	46.588	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	82531	19.292	ug/l	92
3) Chloromethane	2.209	50	105409	18.219	ug/l	99
4) Vinyl Chloride	2.350	62	118449	20.087	ug/l	99
5) Bromomethane	2.756	94	80525	19.292	ug/l	98
6) Chloroethane	2.914	64	76231	19.128	ug/l	98
7) Trichlorofluoromethane	3.273	101	159372	20.434	ug/l	97
8) Diethyl Ether	3.714	74	39629	18.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	99285	20.493	ug/l	99
10) Methyl Iodide	4.303	142	81546	18.249	ug/l	99
11) Tert butyl alcohol	5.226	59	20047	36.843	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	87788	20.120	ug/l	93
13) Acrolein	3.932	56	12710	53.129	ug/l	100
14) Allyl chloride	4.708	41	117218	18.282	ug/l	100
15) Acrylonitrile	5.426	53	88617	86.263	ug/l	99
16) Acetone	4.161	43	71128	82.787	ug/l	97
17) Carbon Disulfide	4.408	76	287889	17.883	ug/l	100
18) Methyl Acetate	4.714	43	44395	17.854	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	169423	17.968	ug/l	97
20) Methylene Chloride	4.967	84	112214	16.024	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	99424	19.142	ug/l	99
22) Diisopropyl ether	6.361	45	255833	18.642	ug/l	96
23) Vinyl Acetate	6.308	43	538587	84.716	ug/l	99
24) 1,1-Dichloroethane	6.267	63	181902	18.733	ug/l	97
25) 2-Butanone	7.208	43	92097	80.526	ug/l	91
26) 2,2-Dichloropropane	7.208	77	154809	19.724	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	107773	19.316	ug/l	98
28) Bromochloromethane	7.549	49	61228	15.892	ug/l	100
29) Tetrahydrofuran	7.561	42	59597	81.176	ug/l	98
30) Chloroform	7.708	83	189633	19.050	ug/l	97
31) Cyclohexane	7.985	56	158276	19.093	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	162912	19.443	ug/l	97
36) 1,1-Dichloropropene	8.114	75	139362	19.732	ug/l	99
37) Ethyl Acetate	7.291	43	42403	16.056	ug/l #	97
38) Carbon Tetrachloride	8.096	117	147810	21.161	ug/l	94
39) Methylcyclohexane	9.349	83	158333	20.067	ug/l	97
40) Benzene	8.349	78	409300	19.776	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	25940	18.668	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	104135	18.786	ug/l	99
43) Isopropyl Acetate	8.449	43	83345	17.068	ug/l	99
44) Trichloroethene	9.114	130	99469	20.109	ug/l	85
45) 1,2-Dichloropropane	9.379	63	105989	19.519	ug/l	93
46) Dibromomethane	9.473	93	52370	18.729	ug/l	98
47) Bromodichloromethane	9.655	83	138842	19.463	ug/l	93
48) Methyl methacrylate	9.455	41	36620	16.242	ug/l	92
49) 1,4-Dioxane	9.461	88	11364	405.756	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	218123	86.323	ug/l	97
52) Toluene	10.402	92	260746	20.850	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	120295	19.603	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	150181	20.110	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	74058	19.252	ug/l	98
56) Ethyl methacrylate	10.655	69	77268	18.400	ug/l	97
57) 1,3-Dichloropropane	10.937	76	122140	18.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	193322	95.516	ug/l	97
59) 2-Hexanone	10.979	43	146930	87.152	ug/l	97
60) Dibromochloromethane	11.132	129	86394	19.299	ug/l	98
61) 1,2-Dibromoethane	11.237	107	65697	18.571	ug/l	100
64) Tetrachloroethene	10.873	164	81487	21.577	ug/l	99
65) Chlorobenzene	11.667	112	259820	20.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	98069	20.838	ug/l	97
67) Ethyl Benzene	11.737	91	459401	20.730	ug/l	99
68) m/p-Xylenes	11.849	106	368882	43.098	ug/l	99
69) o-Xylene	12.173	106	160091	20.878	ug/l	97
70) Styrene	12.184	104	282547	21.094	ug/l	98
71) Bromoform	12.355	173	43557	18.726	ug/l #	100
73) Isopropylbenzene	12.473	105	431440	21.501	ug/l	100
74) N-amyl acetate	12.279	43	79891	18.273	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	80882	18.820	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	64126m	22.157	ug/l	
77) Bromobenzene	12.755	156	96252	20.791	ug/l	98
78) n-propylbenzene	12.814	91	564855	21.689	ug/l	99
79) 2-Chlorotoluene	12.896	91	327452	21.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	378805	21.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	23230	20.111	ug/l	96
82) 4-Chlorotoluene	12.996	91	344886	21.536	ug/l	100
83) tert-Butylbenzene	13.214	119	302788	21.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	371699	21.796	ug/l	99
85) sec-Butylbenzene	13.390	105	485797	22.004	ug/l	98
86) p-Isopropyltoluene	13.508	119	392970	22.154	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	200192	20.771	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	195137	20.171	ug/l	97
89) n-Butylbenzene	13.831	91	367991	20.807	ug/l	98
90) Hexachloroethane	14.102	117	79741	19.638	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	170863	20.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10463	16.256	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	92849	20.219	ug/l	98
94) Hexachlorobutadiene	15.249	225	57456	20.398	ug/l	96
95) Naphthalene	15.384	128	152076	18.222	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	79435	19.605	ug/l	99

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

