

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070517.D
 Acq On : 29 Sep 2021 12:31
 Operator : VA/SY
 Sample : VD0929SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0929SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 6:19:48 PM

Quant Time: Sep 30 00:43:18 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	380474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	666593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	625361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	306032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218739	44.774	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.540%		
35) Dibromofluoromethane	7.914	113	230540	48.587	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.180%		
50) Toluene-d8	10.338	98	875261	50.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.626	95	300932	49.982	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	87744	20.435	ug/l	95
3) Chloromethane	2.209	50	110845	19.030	ug/l	98
4) Vinyl Chloride	2.350	62	120778	20.176	ug/l	98
5) Bromomethane	2.756	94	80816	19.006	ug/l	95
6) Chloroethane	2.920	64	79117	19.642	ug/l	98
7) Trichlorofluoromethane	3.273	101	164969	20.835	ug/l	94
8) Diethyl Ether	3.709	74	42563	19.446	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	102071	20.753	ug/l	99
10) Methyl Iodide	4.303	142	78589	17.377	ug/l	98
11) Tert butyl alcohol	5.220	59	21843	39.543	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	86435	19.513	ug/l	98
13) Acrolein	3.915	56	13130	54.064	ug/l	92
14) Allyl chloride	4.714	41	119540	18.365	ug/l	99
15) Acrylonitrile	5.414	53	95455	91.530	ug/l	100
16) Acetone	4.150	43	82166	94.204	ug/l	96
17) Carbon Disulfide	4.409	76	295955	18.109	ug/l	98
18) Methyl Acetate	4.714	43	45570	18.070	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	177016	18.492	ug/l	99
20) Methylene Chloride	4.956	84	120679	17.479	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	102321	19.405	ug/l	98
22) Diisopropyl ether	6.361	45	264287	18.970	ug/l	98
23) Vinyl Acetate	6.303	43	561519	87.002	ug/l	98
24) 1,1-Dichloroethane	6.267	63	190921	19.368	ug/l	96
25) 2-Butanone	7.208	43	104170	89.720	ug/l	100
26) 2,2-Dichloropropane	7.208	77	162057	20.339	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	110424	19.495	ug/l	97
28) Bromochloromethane	7.544	49	67370	17.225	ug/l	99
29) Tetrahydrofuran	7.561	42	65712	88.166	ug/l	98
30) Chloroform	7.708	83	197623	19.555	ug/l	99
31) Cyclohexane	7.985	56	159848	18.995	ug/l #	96
32) 1,1,1-Trichloroethane	7.903	97	169787	19.961	ug/l	97
36) 1,1-Dichloropropene	8.108	75	148119	20.789	ug/l	97
37) Ethyl Acetate	7.291	43	50581	18.985	ug/l	97
38) Carbon Tetrachloride	8.091	117	150358	21.337	ug/l	95
39) Methylcyclohexane	9.355	83	161081	20.237	ug/l	98
40) Benzene	8.350	78	429767	20.583	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	31136m	22.212	ug/l	
42) 1,2-Dichloroethane	8.420	62	112736	20.159	ug/l	99
43) Isopropyl Acetate	8.450	43	89379	18.143	ug/l	97
44) Trichloroethene	9.108	130	106311	21.304	ug/l	99
45) 1,2-Dichloropropane	9.385	63	107268	19.581	ug/l	96
46) Dibromomethane	9.473	93	55384	19.633	ug/l	98
47) Bromodichloromethane	9.655	83	142467	19.796	ug/l	96
48) Methyl methacrylate	9.455	41	38849	17.080	ug/l	90
49) 1,4-Dioxane	9.455	88	10894	385.569	ug/l #	81
51) 4-Methyl-2-Pentanone	10.226	43	236881	92.925	ug/l	97
52) Toluene	10.402	92	269127	21.332	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	127749	20.636	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	157041	20.844	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	78749	20.293	ug/l	97
56) Ethyl methacrylate	10.655	69	81232	19.175	ug/l	96
57) 1,3-Dichloropropane	10.938	76	130900	19.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	198952	97.437	ug/l	100
59) 2-Hexanone	10.979	43	163878	96.354	ug/l	97
60) Dibromochloromethane	11.138	129	90713	20.086	ug/l	95
61) 1,2-Dibromoethane	11.238	107	71500	20.034	ug/l	99
64) Tetrachloroethene	10.873	164	85583	22.478	ug/l	96
65) Chlorobenzene	11.661	112	271454	20.953	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	102497	21.602	ug/l	98
67) Ethyl Benzene	11.738	91	470759	21.070	ug/l	98
68) m/p-Xylenes	11.849	106	379978	44.034	ug/l	98
69) o-Xylene	12.173	106	164065	21.223	ug/l	97
70) Styrene	12.191	104	301132	22.298	ug/l	99
71) Bromoform	12.355	173	48091	20.507	ug/l #	99
73) Isopropylbenzene	12.473	105	447494	20.851	ug/l	100
74) N-amyl acetate	12.279	43	86608	18.521	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	88182	19.184	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	58547m	18.913	ug/l	
77) Bromobenzene	12.749	156	102574	20.716	ug/l	98
78) n-propylbenzene	12.814	91	587344	21.085	ug/l	99
79) 2-Chlorotoluene	12.896	91	336695	20.737	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	391462	21.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	25364	20.530	ug/l	99
82) 4-Chlorotoluene	12.996	91	361871	21.126	ug/l	100
83) tert-Butylbenzene	13.214	119	310135	20.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	390897	21.431	ug/l	99
85) sec-Butylbenzene	13.390	105	502735	21.290	ug/l	98
86) p-Isopropyltoluene	13.508	119	407433	21.475	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	212629	20.626	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	210758	20.368	ug/l	99
89) n-Butylbenzene	13.832	91	385252	20.367	ug/l	98
90) Hexachloroethane	14.102	117	84529	19.463	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	184065	20.237	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12941	18.798	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	96595	19.666	ug/l	99
94) Hexachlorobutadiene	15.255	225	61934	20.557	ug/l	96
95) Naphthalene	15.384	128	164366	18.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	82336	18.999	ug/l	98

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

