

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069726.D
 Acq On : 16 Jul 2021 15:39
 Operator : VA/SY
 Sample : M3029-03MSD
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RVR-CF01-01MSD

Manual Integrations
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apatel
 7/20/2021 9:59:20 AM

Quant Time: Jul 17 00:53:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	368278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	662000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	98979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	289980	63.061	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.120%			
35) Dibromofluoromethane	7.908	113	271687	61.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.340%			
50) Toluene-d8	10.338	98	843262	48.873	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.626	95	159521	27.721	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 55.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	266002	69.816	ug/l	99
3) Chloromethane	2.209	50	373003	71.898	ug/l	99
4) Vinyl Chloride	2.344	62	409483	73.095	ug/l	99
5) Bromomethane	2.767	94	238790	69.661	ug/l	93
6) Chloroethane	2.920	64	260051	72.551	ug/l	98
7) Trichlorofluoromethane	3.267	101	435939	61.707	ug/l	100
8) Diethyl Ether	3.709	74	144506	70.109	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	220804	50.400	ug/l	100
10) Methyl Iodide	4.297	142	292313	63.114	ug/l	99
11) Tert butyl alcohol	5.220	59	74396	121.090	ug/l #	95
12) 1,1-Dichloroethene	4.067	96	259306	64.563	ug/l	96
13) Acrolein	3.920	56	16118	50.842	ug/l	92
14) Allyl chloride	4.714	41	423083	68.177	ug/l	99
15) Acrylonitrile	5.420	53	308798	330.386	ug/l	99
16) Acetone	4.156	43	248128	279.604	ug/l	94
17) Carbon Disulfide	4.409	76	814065	57.374	ug/l	98
18) Methyl Acetate	4.714	43	447472	221.475	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	617178	72.590	ug/l	99
20) Methylene Chloride	4.961	84	436322	74.727	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	308457	64.312	ug/l	98
22) Diisopropyl ether	6.361	45	878767	68.327	ug/l	97
23) Vinyl Acetate	6.361	43	531127m	84.332	ug/l	
24) 1,1-Dichloroethane	6.261	63	596500	66.462	ug/l	99
25) 2-Butanone	7.214	43	331219	304.758	ug/l	96
26) 2,2-Dichloropropane	7.208	77	431050	60.198	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	337067	65.148	ug/l	98
28) Bromochloromethane	7.544	49	245005	70.736	ug/l	97
29) Tetrahydrofuran	7.561	42	225657	335.120	ug/l	99
30) Chloroform	7.708	83	557422	62.437	ug/l	97
31) Cyclohexane	7.979	56	266661	34.224	ug/l	100
32) 1,1,1-Trichloroethane	7.902	97	433514	57.267	ug/l	99
36) 1,1-Dichloropropene	8.108	75	347099	50.823	ug/l	100
37) Ethyl Acetate	7.297	43	85180	32.972	ug/l #	77
38) Carbon Tetrachloride	8.097	117	310015	49.572	ug/l	97
39) Methylcyclohexane	9.349	83	143925	18.909	ug/l	99
40) Benzene	8.349	78	1202165	61.029	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	95727	71.499	ug/l	88
42) 1,2-Dichloroethane	8.420	62	336748	62.982	ug/l	98
43) Isopropyl Acetate	8.449	43	185492	39.209	ug/l #	89
44) Trichloroethene	9.114	130	241360	50.529	ug/l	93
45) 1,2-Dichloropropane	9.385	63	314544	60.753	ug/l	98
46) Dibromomethane	9.473	93	155680	61.609	ug/l	98
47) Bromodichloromethane	9.661	83	396000	59.131	ug/l	98
48) Methyl methacrylate	9.455	41	171206	69.282	ug/l	97
49) 1,4-Dioxane	9.455	88	35575	1092.846	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	758181	309.473	ug/l	99
52) Toluene	10.402	92	596000	50.303	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	320630	56.953	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	401111	58.020	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	205884	58.246	ug/l	96
56) Ethyl methacrylate	10.655	69	161680	36.274	ug/l	97
57) 1,3-Dichloropropane	10.943	76	359619	57.626	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	609249	300.739	ug/l	100
59) 2-Hexanone	10.979	43	465720	285.203	ug/l	99
60) Dibromochloromethane	11.132	129	210999	51.168	ug/l	99
61) 1,2-Dibromoethane	11.243	107	181590	55.371	ug/l	99
64) Tetrachloroethene	10.873	164	131397	49.353	ug/l	98
65) Chlorobenzene	11.667	112	464159	53.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	203811	65.509	ug/l	99
67) Ethyl Benzene	11.738	91	785157	50.907	ug/l	98
68) m/p-Xylenes	11.849	106	582590	99.892	ug/l	100
69) o-Xylene	12.173	106	270105	50.860	ug/l	99
70) Styrene	12.190	104	443603	47.866	ug/l	100
71) Bromoform	12.355	173	92446	61.287	ug/l #	99
73) Isopropylbenzene	12.473	105	509619	72.309	ug/l	99
74) N-amyl acetate	12.279	43	20214	13.199	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	170596	121.524	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	131045m	136.285	ug/l	
77) Bromobenzene	12.755	156	133001	85.060	ug/l	92
78) n-propylbenzene	12.814	91	559313	62.589	ug/l	99
79) 2-Chlorotoluene	12.896	91	355380	67.646	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	366794	61.361	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	47854	133.748	ug/l	95
82) 4-Chlorotoluene	12.996	91	362050	65.672	ug/l	99
83) tert-Butylbenzene	13.214	119	262849	53.936	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	365357	61.603	ug/l	100
85) sec-Butylbenzene	13.390	105	323844	42.283	ug/l	100
86) p-Isopropyltoluene	13.502	119	260476	41.756	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	168786	51.978	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	172054	53.055	ug/l	99
89) n-Butylbenzene	13.832	91	183234	29.648	ug/l	99
90) Hexachloroethane	14.102	117	54746	43.127	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	142952	51.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	20565	98.355	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	31006	19.919	ug/l	93
94) Hexachlorobutadiene	15.255	225	16685	17.778	ug/l	95
95) Naphthalene	15.384	128	75851	25.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	23621	17.666	ug/l	90

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

