

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069731.D
 Acq On : 16 Jul 2021 18:02
 Operator : VA/SY
 Sample : M3029-02MS
 Misc : 4.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RVR-CF01-01MS

Manual Integrations
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 7/20/2021 9:59:24 AM

Quant Time: Jul 17 00:55:01 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	393707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	678992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	466506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	119573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281371	57.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.480%			
35) Dibromofluoromethane	7.914	113	279163	61.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.560%			
50) Toluene-d8	10.338	98	855169	48.323	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.640%			
62) 4-Bromofluorobenzene	12.626	95	167629	28.401	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 56.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	275452	67.646	ug/l	96
3) Chloromethane	2.209	50	385470	69.492	ug/l	99
4) Vinyl Chloride	2.344	62	417848	69.771	ug/l	99
5) Bromomethane	2.767	94	259419	70.819	ug/l	97
6) Chloroethane	2.920	64	266873	69.646	ug/l	99
7) Trichlorofluoromethane	3.267	101	465487	61.633	ug/l	99
8) Diethyl Ether	3.709	74	144859	65.741	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	238543	50.932	ug/l	99
10) Methyl Iodide	4.297	142	294279	59.579	ug/l	100
11) Tert butyl alcohol	5.214	59	76682	116.749	ug/l #	92
12) 1,1-Dichloroethene	4.067	96	273872	63.785	ug/l	99
13) Acrolein	3.926	56	19674	58.050	ug/l	97
14) Allyl chloride	4.709	41	437347	65.923	ug/l	99
15) Acrylonitrile	5.420	53	312532	312.784	ug/l	99
16) Acetone	4.156	43	267199	281.921	ug/l	97
17) Carbon Disulfide	4.403	76	869065	57.295	ug/l	100
18) Methyl Acetate	4.714	43	394789	181.549	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	623272	68.572	ug/l	98
20) Methylene Chloride	4.967	84	527915	87.748	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	320869	62.579	ug/l	95
22) Diisopropyl ether	6.361	45	932824	67.845	ug/l	97
23) Vinyl Acetate	6.356	43	848892m	118.445	ug/l	
24) 1,1-Dichloroethane	6.267	63	616653	64.270	ug/l	99
25) 2-Butanone	7.208	43	347943	299.468	ug/l	96
26) 2,2-Dichloropropane	7.208	77	462653	60.438	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	348976	63.093	ug/l	97
28) Bromochloromethane	7.544	49	241137	65.123	ug/l	96
29) Tetrahydrofuran	7.561	42	229959	319.452	ug/l	98
30) Chloroform	7.708	83	601090	62.980	ug/l	99
31) Cyclohexane	7.985	56	306483	36.764	ug/l	100
32) 1,1,1-Trichloroethane	7.902	97	451436	55.783	ug/l	100
36) 1,1-Dichloropropene	8.108	75	376412	53.736	ug/l	100
37) Ethyl Acetate	7.285	43	115531	43.601	ug/l	95
38) Carbon Tetrachloride	8.097	117	339703	52.959	ug/l	98
39) Methylcyclohexane	9.355	83	171417	21.642	ug/l	98
40) Benzene	8.350	78	1259780	62.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	99266	72.287	ug/l	89
42) 1,2-Dichloroethane	8.420	62	353584	64.476	ug/l	99
43) Isopropyl Acetate	8.450	43	239593	49.377	ug/l	95
44) Trichloroethene	9.108	130	262074	53.493	ug/l	97
45) 1,2-Dichloropropane	9.385	63	327396	61.653	ug/l	97
46) Dibromomethane	9.473	93	165727	63.944	ug/l	98
47) Bromodichloromethane	9.661	83	412997	60.125	ug/l	98
48) Methyl methacrylate	9.455	41	165016	65.172	ug/l	97
49) 1,4-Dioxane	9.455	88	36227	1084.809	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	780498	310.610	ug/l	100
52) Toluene	10.396	92	644647	53.047	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	344232	59.615	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	434109	61.222	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	216020	59.584	ug/l	98
56) Ethyl methacrylate	10.655	69	200446	43.498	ug/l	96
57) 1,3-Dichloropropane	10.944	76	379187	59.242	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	608288	292.999	ug/l	100
59) 2-Hexanone	10.979	43	499862	298.451	ug/l	99
60) Dibromochloromethane	11.132	129	230475	54.492	ug/l	98
61) 1,2-Dibromoethane	11.243	107	192201	57.140	ug/l	100
64) Tetrachloroethene	10.873	164	142883	50.156	ug/l	97
65) Chlorobenzene	11.661	112	507689	54.477	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	222932	66.967	ug/l	100
67) Ethyl Benzene	11.738	91	872131	52.847	ug/l	99
68) m/p-Xylenes	11.849	106	656882	105.262	ug/l	99
69) o-Xylene	12.173	106	302644	53.259	ug/l	98
70) Styrene	12.191	104	495011	49.918	ug/l	99
71) Bromoform	12.355	173	102749	63.661	ug/l #	99
73) Isopropylbenzene	12.473	105	586843	68.926	ug/l	99
74) N-amyl acetate	12.279	43	68283	36.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	189074	111.490	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	135078m	116.284	ug/l	
77) Bromobenzene	12.755	156	147448	78.058	ug/l	90
78) n-propylbenzene	12.814	91	657331	60.889	ug/l	99
79) 2-Chlorotoluene	12.896	91	394323	62.131	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	426154	59.013	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	57356	132.696	ug/l	98
82) 4-Chlorotoluene	12.996	91	418399	62.823	ug/l	98
83) tert-Butylbenzene	13.214	119	311229	52.864	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	409712	57.183	ug/l	98
85) sec-Butylbenzene	13.390	105	385979	41.716	ug/l	99
86) p-Isopropyltoluene	13.508	119	312888	41.519	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	193532	49.334	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	194457	49.636	ug/l	98
89) n-Butylbenzene	13.832	91	221633	29.685	ug/l	99
90) Hexachloroethane	14.102	117	66750	43.527	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	163944	48.468	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21567	85.382	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	35117	18.674	ug/l	95
94) Hexachlorobutadiene	15.255	225	20813	18.357	ug/l	96
95) Naphthalene	15.390	128	81136	22.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	27178	16.825	ug/l	98

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

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