

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069663.D
 Acq On : 13 Jul 2021 11:09
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:09 PM

Quant Time: Jul 14 05:38:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 05:37:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	608954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1131334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1075333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	474791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	41335	5.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.940%#
35) Dibromofluoromethane	7.908	113	38537	5.119	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.240%#
50) Toluene-d8	10.338	98	142367	4.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.740%#
62) 4-Bromofluorobenzene	12.626	95	46180	4.689	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.380%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	37252	6.115	ug/l	97
3) Chloromethane	2.209	50	53134	6.190	ug/l	98
4) Vinyl Chloride	2.350	62	54721	5.909	ug/l	92
5) Bromomethane	2.756	94	39451	6.391	ug/l	98
6) Chloroethane	2.920	64	33843	5.618	ug/l	94
7) Trichlorofluoromethane	3.267	101	67672	5.716	ug/l	96
8) Diethyl Ether	3.703	74	17266	5.000	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	42506	5.800	ug/l	97
10) Methyl Iodide	4.297	142	31532	4.632	ug/l #	95
11) Tert butyl alcohol	5.185	59	59140	63.040	ug/l #	86
12) 1,1-Dichloroethene	4.061	96	35622	5.267	ug/l	95
13) Acrolein	3.920	56	12841	24.048	ug/l	90
14) Allyl chloride	4.709	41	48863	4.676	ug/l	96
15) Acrylonitrile	5.414	53	39647	25.346	ug/l	97
16) Acetone	4.161	43	45073	31.669	ug/l	94
17) Carbon Disulfide	4.409	76	135300	5.955	ug/l	97
18) Methyl Acetate	4.720	43	22734	5.336	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	66119	4.630	ug/l	93
20) Methylene Chloride	4.967	84	136982	10.718	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	44573	5.658	ug/l	93
22) Diisopropyl ether	6.355	45	99120	4.628	ug/l	91
23) Vinyl Acetate	6.308	43	173855	16.547	ug/l	99
24) 1,1-Dichloroethane	6.255	63	80503	5.406	ug/l	97
25) 2-Butanone	7.214	43	43857	23.763	ug/l	90
26) 2,2-Dichloropropane	7.197	77	64355	5.365	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	45225	5.290	ug/l	98
28) Bromochloromethane	7.544	49	31191	5.441	ug/l #	17
29) Tetrahydrofuran	7.561	42	26798	23.634	ug/l	95
30) Chloroform	7.708	83	80544	5.416	ug/l	99
31) Cyclohexane	7.985	56	76597	5.989	ug/l #	77
32) 1,1,1-Trichloroethane	7.902	97	70004	5.571	ug/l	98
36) 1,1-Dichloropropene	8.108	75	62051	5.289	ug/l	97
37) Ethyl Acetate	7.291	43	21033	4.681	ug/l #	77
38) Carbon Tetrachloride	8.097	117	55917	5.214	ug/l	98
39) Methylcyclohexane	9.355	83	63721	5.058	ug/l	95
40) Benzene	8.350	78	175687	5.186	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	12209	5.471	ug/l	90
42) 1,2-Dichloroethane	8.426	62	49420	5.446	ug/l	98
43) Isopropyl Acetate	8.450	43	37136	4.514	ug/l	100
44) Trichloroethene	9.108	130	44080	5.376	ug/l	95
45) 1,2-Dichloropropane	9.385	63	46959	5.325	ug/l	99
46) Dibromomethane	9.473	93	22804	5.206	ug/l	96
47) Bromodichloromethane	9.661	83	58568	5.106	ug/l	94
48) Methyl methacrylate	9.449	41	15905	4.128	ug/l #	86
49) 1,4-Dioxane	9.455	88	3802	84.202	ug/l #	78
51) 4-Methyl-2-Pentanone	10.226	43	89001	20.842	ug/l	96
52) Toluene	10.402	92	94793	4.659	ug/l	93
53) t-1,3-Dichloropropene	10.614	75	46899	4.836	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	56694	4.788	ug/l	100
55) 1,1,2-Trichloroethane	10.796	97	31716	5.222	ug/l	93
56) Ethyl methacrylate	10.655	69	27321	3.910	ug/l	91
57) 1,3-Dichloropropane	10.943	76	52716	4.923	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	59757	19.105	ug/l	100
59) 2-Hexanone	10.979	43	58456	20.514	ug/l	94
60) Dibromochloromethane	11.138	129	34668	4.852	ug/l	97
61) 1,2-Dibromoethane	11.243	107	28201	4.971	ug/l	99
64) Tetrachloroethene	10.873	164	36153	5.496	ug/l	98
65) Chlorobenzene	11.661	112	110931	5.114	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	38636	4.948	ug/l	94
67) Ethyl Benzene	11.738	91	177593	4.632	ug/l	100
68) m/p-Xylenes	11.849	106	130207	8.983	ug/l	99
69) o-Xylene	12.173	106	57984	4.400	ug/l	98
70) Styrene	12.190	104	95533	4.133	ug/l	99
71) Bromoform	12.355	173	17954	4.725	ug/l #	97
73) Isopropylbenzene	12.473	105	151632	4.484	ug/l	99
74) N-amyl acetate	12.279	43	32134	4.340	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	34057	4.982	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	22673m	5.255	ug/l	
77) Bromobenzene	12.755	156	36536	4.838	ug/l	99
78) n-propylbenzene	12.814	91	190579	4.417	ug/l	100
79) 2-Chlorotoluene	12.896	91	117064	4.617	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	124365	4.332	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	7577	4.359	ug/l	96
82) 4-Chlorotoluene	12.996	91	125749	4.718	ug/l	100
83) tert-Butylbenzene	13.214	119	104131	4.427	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	123243	4.318	ug/l	99
85) sec-Butylbenzene	13.390	105	168396	4.560	ug/l	99
86) p-Isopropyltoluene	13.502	119	128454	4.264	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	79253	5.068	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	81613	5.188	ug/l	93
89) n-Butylbenzene	13.832	91	134035	4.492	ug/l	99
90) Hexachloroethane	14.096	117	32548	5.278	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	67558	4.978	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	5081	4.861	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	34997	4.623	ug/l	95
94) Hexachlorobutadiene	15.249	225	24251	5.367	ug/l	98
95) Naphthalene	15.384	128	57729	4.223	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	29468	4.550	ug/l	96

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

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