

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061121\
 Data File : VD069415.D
 Acq On : 11 Jun 2021 12:24
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 10:56:39 AM

Quant Time: Jun 11 12:38:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:10:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	426989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	681880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	664949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	317206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	697592	143.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 286.200%#			
35) Dibromofluoromethane	7.914	113	750408	146.580	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 293.160%#			
50) Toluene-d8	10.338	98	2928113	161.303	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 322.600%#			
62) 4-Bromofluorobenzene	12.626	95	974362	170.237	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 340.480%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	584874	132.754	ug/l	97
3) Chloromethane	2.209	50	557528	124.994	ug/l	99
4) Vinyl Chloride	2.350	62	709539	133.375	ug/l	99
5) Bromomethane	2.738	94	572680	131.439	ug/l	94
6) Chloroethane	2.909	64	485850	132.489	ug/l	98
7) Trichlorofluoromethane	3.268	101	1159960	133.783	ug/l	98
8) Diethyl Ether	3.709	74	339629	166.933	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	693086	133.981	ug/l	98
10) Methyl Iodide	4.297	142	807230	193.993	ug/l	98
11) Tert butyl alcohol	5.238	59	174851	677.713	ug/l	99
12) 1,1-Dichloroethene	4.067	96	671647	148.351	ug/l	99
13) Acrolein	3.920	56	246969	819.745	ug/l	98
14) Allyl chloride	4.714	41	848462	165.078	ug/l	99
15) Acrylonitrile	5.420	53	629999	795.893	ug/l	99
16) Acetone	4.156	43	501129	607.389	ug/l	99
17) Carbon Disulfide	4.409	76	2135450	144.905	ug/l	100
18) Methyl Acetate	4.714	43	278384	120.532	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	1384038	178.720	ug/l	97
20) Methylene Chloride	4.962	84	787091	92.481	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	793593	150.436	ug/l	99
22) Diisopropyl ether	6.361	45	1697371	166.970	ug/l	94
23) Vinyl Acetate	6.303	43	5326376	1013.588	ug/l	98
24) 1,1-Dichloroethane	6.261	63	1264727	141.357	ug/l	100
25) 2-Butanone	7.214	43	773236	804.778	ug/l	96
26) 2,2-Dichloropropane	7.208	77	1119719	142.422	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	880594	156.020	ug/l	98
28) Bromochloromethane	7.544	49	477406	147.830	ug/l	96
29) Tetrahydrofuran	7.561	42	458781	869.411	ug/l	98
30) Chloroform	7.708	83	1367487	135.473	ug/l	97
31) Cyclohexane	7.985	56	961533	146.190	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	1224630	138.905	ug/l	99
36) 1,1-Dichloropropene	8.114	75	1057495	150.461	ug/l	100
37) Ethyl Acetate	7.291	43	360258	156.127	ug/l	98
38) Carbon Tetrachloride	8.097	117	1102758	141.734	ug/l	96
39) Methylcyclohexane	9.355	83	1182906	176.938	ug/l	95
40) Benzene	8.350	78	3033852	147.222	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	208385	187.008	ug/l #	87
42) 1,2-Dichloroethane	8.426	62	807128	140.652	ug/l	100
43) Isopropyl Acetate	8.450	43	700129	161.308	ug/l	98
44) Trichloroethene	9.114	130	835217	144.204	ug/l	97
45) 1,2-Dichloropropane	9.385	63	729982	143.974	ug/l	99
46) Dibromomethane	9.473	93	422311	146.234	ug/l	97
47) Bromodichloromethane	9.661	83	1066920	141.878	ug/l	95
48) Methyl methacrylate	9.455	41	355837	187.083	ug/l	97
49) 1,4-Dioxane	9.461	88	86918	3235.815	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	1813876	826.589	ug/l	98
52) Toluene	10.402	92	2018082	157.714	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	997898	161.280	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	1191544	159.406	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	577975	144.564	ug/l	99
56) Ethyl methacrylate	10.661	69	701848	191.767	ug/l	98
57) 1,3-Dichloropropane	10.944	76	977993	152.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	1749951	943.092	ug/l	100
59) 2-Hexanone	10.979	43	1235476	859.280	ug/l	99
60) Dibromochloromethane	11.138	129	749921	147.472	ug/l	98
61) 1,2-Dibromoethane	11.244	107	569172	149.271	ug/l	100
64) Tetrachloroethene	10.873	164	699995	131.667	ug/l	98
65) Chlorobenzene	11.667	112	2133735	145.752	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	805483	142.276	ug/l	99
67) Ethyl Benzene	11.744	91	3904955	166.346	ug/l	99
68) m/p-Xylenes	11.849	106	3035143	322.185	ug/l	99
69) o-Xylene	12.173	106	1413501	173.915	ug/l	99
70) Styrene	12.191	104	2454276	171.045	ug/l	99
71) Bromoform	12.355	173	424628	146.848	ug/l #	98
73) Isopropylbenzene	12.473	105	3699106	175.240	ug/l	99
74) N-amyl acetate	12.285	43	681128	183.189	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	635428	148.339	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	485533m	199.275	ug/l	
77) Bromobenzene	12.755	156	867582	158.247	ug/l	99
78) n-propylbenzene	12.814	91	4419422	168.809	ug/l	100
79) 2-Chlorotoluene	12.902	91	2486001	165.245	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	3111629	174.985	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	195558	170.523	ug/l	96
82) 4-Chlorotoluene	12.996	91	2623947	163.368	ug/l	100
83) tert-Butylbenzene	13.214	119	2658699	175.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	3110539	174.934	ug/l	99
85) sec-Butylbenzene	13.396	105	3790986	168.319	ug/l	100
86) p-Isopropyltoluene	13.508	119	3381210	174.992	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	1687370	151.963	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	1639514	146.187	ug/l	98
89) n-Butylbenzene	13.832	91	3120608	172.902	ug/l	99
90) Hexachloroethane	14.102	117	578162	144.403	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	1442222	147.673	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	96160	149.219	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	907118	166.376	ug/l	99
94) Hexachlorobutadiene	15.255	225	528753	149.085	ug/l	98
95) Naphthalene	15.390	128	1721056	199.439	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	801439	170.080	ug/l	99

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

