

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072743.D
 Acq On : 02 May 2022 11:41
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:05:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:04:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	309124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	536982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	525120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	40347	10.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.100%#		
35) Dibromofluoromethane	7.909	113	36289	9.622	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.332	98	125705	9.292	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.580%#		
62) 4-Bromofluorobenzene	12.620	95	46751	9.268	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.540%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	39333	9.208	ug/l	95
3) Chloromethane	2.209	50	41466	9.334	ug/l	97
4) Vinyl Chloride	2.350	62	38752	9.721	ug/l	100
5) Bromomethane	2.768	94	26964	10.080	ug/l	85
6) Chloroethane	2.921	64	23254	9.360	ug/l	91
7) Trichlorofluoromethane	3.273	101	65877	9.438	ug/l	100
8) Diethyl Ether	3.709	74	19293	9.641	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	38271	9.235	ug/l	96
10) Methyl Iodide	4.297	142	34882	8.387	ug/l	97
11) Tert butyl alcohol	5.197	59	24017m	67.910	ug/l	
12) 1,1-Dichloroethene	4.068	96	34937	9.373	ug/l	86
13) Acrolein	3.915	56	16499	58.665	ug/l	98
14) Allyl chloride	4.715	41	51507	8.559	ug/l #	95
15) Acrylonitrile	5.420	53	48557	51.056	ug/l	97
16) Acetone	4.156	43	43971	52.449	ug/l	100
17) Carbon Disulfide	4.409	76	105760	9.024	ug/l	100
18) Methyl Acetate	4.709	43	23165	9.779	ug/l	93
19) Methyl tert-butyl Ether	5.485	73	85473	9.565	ug/l	95
20) Methylene Chloride	4.962	84	76088	12.255	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	39601	9.264	ug/l	99
22) Diisopropyl ether	6.367	45	124811	9.428	ug/l #	94
23) Vinyl Acetate	6.303	43	355756	48.647	ug/l	99
24) 1,1-Dichloroethane	6.262	63	78553	9.876	ug/l	97
25) 2-Butanone	7.209	43	60688	51.907	ug/l	94
26) 2,2-Dichloropropane	7.209	77	61404	9.132	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	44092	9.005	ug/l	96
28) Bromochloromethane	7.544	49	28786	9.705	ug/l	90
29) Tetrahydrofuran	7.556	42	38304	51.399	ug/l	95
30) Chloroform	7.709	83	81308	9.661	ug/l	94
31) Cyclohexane	7.979	56	64426	9.185	ug/l #	77
32) 1,1,1-Trichloroethane	7.897	97	68138	9.500	ug/l	95
36) 1,1-Dichloropropene	8.109	75	55847	9.107	ug/l	97
37) Ethyl Acetate	7.291	43	28086	9.963	ug/l #	93
38) Carbon Tetrachloride	8.097	117	59658	9.372	ug/l	89
39) Methylcyclohexane	9.350	83	61223	8.607	ug/l	92
40) Benzene	8.350	78	170737	9.641	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	16957	10.529	ug/l	91
42) 1,2-Dichloroethane	8.414	62	52839	9.901	ug/l	97
43) Isopropyl Acetate	8.444	43	52431	10.077	ug/l	92
44) Trichloroethene	9.108	130	43971	9.281	ug/l	97
45) 1,2-Dichloropropane	9.379	63	45876	9.864	ug/l #	88
46) Dibromomethane	9.473	93	25613	9.984	ug/l	96
47) Bromodichloromethane	9.656	83	63367	9.602	ug/l	100
48) Methyl methacrylate	9.450	41	22733	8.931	ug/l #	82
49) 1,4-Dioxane	9.450	88	5816	201.325	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	134413	49.715	ug/l	96
52) Toluene	10.397	92	102823	9.308	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	57993	9.567	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	68658	9.749	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	35422	10.214	ug/l	93
56) Ethyl methacrylate	10.655	69	35903	8.793	ug/l	94
57) 1,3-Dichloropropane	10.938	76	59948	10.073	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	83200	42.025	ug/l	95
59) 2-Hexanone	10.973	43	89180	49.020	ug/l	97
60) Dibromochloromethane	11.132	129	43846	10.043	ug/l	99
61) 1,2-Dibromoethane	11.238	107	34560	10.238	ug/l	99
64) Tetrachloroethene	10.867	164	33867	8.821	ug/l	91
65) Chlorobenzene	11.661	112	114745	9.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	44812	9.817	ug/l	99
67) Ethyl Benzene	11.738	91	185808	8.840	ug/l	99
68) m/p-Xylenes	11.844	106	147409	18.206	ug/l	100
69) o-Xylene	12.173	106	68908	9.113	ug/l	94
70) Styrene	12.185	104	119599	9.129	ug/l	97
71) Bromoform	12.349	173	25274	10.217	ug/l #	99
73) Isopropylbenzene	12.467	105	169535	8.448	ug/l	98
74) N-amyl acetate	12.279	43	46822	9.369	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	42306	10.443	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	28894m	10.372	ug/l	
77) Bromobenzene	12.749	156	44657	9.371	ug/l	96
78) n-propylbenzene	12.808	91	217859	8.614	ug/l	99
79) 2-Chlorotoluene	12.897	91	132517	8.969	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	148066	8.701	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	11627	9.296	ug/l	90
82) 4-Chlorotoluene	12.991	91	146288	9.476	ug/l	98
83) tert-Butylbenzene	13.214	119	121452	8.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	151013	8.879	ug/l	99
85) sec-Butylbenzene	13.391	105	188492	8.639	ug/l	99
86) p-Isopropyltoluene	13.502	119	157422	8.800	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	92253	9.610	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	93732	9.805	ug/l	96
89) n-Butylbenzene	13.826	91	145506	8.396	ug/l	99
90) Hexachloroethane	14.096	117	33389	9.111	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	80743	9.651	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	6152	9.580	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	47467	9.580	ug/l	98
94) Hexachlorobutadiene	15.249	225	24838	9.179	ug/l	96
95) Naphthalene	15.385	128	80432	8.829	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	41644	9.481	ug/l	100

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

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