

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074406.D
 Acq On : 12 Sep 2022 11:58
 Operator : JC\MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 09:10:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 09:10:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	271450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	493506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	418971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	159031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	236298	50.314	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	7.951	113	172666	51.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	10.380	98	611120	47.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.160%			
62) 4-Bromofluorobenzene	12.674	95	188095	39.908	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 79.820%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	1395	0.397	ug/l	72
3) Chloromethane	2.263	50	3896m	0.785	ug/l	
4) Vinyl Chloride	2.399	62	3314	0.564	ug/l #	46
5) Bromomethane	2.804	94	2605m	0.634	ug/l	
7) Trichlorofluoromethane	3.304	101	2422m	0.417	ug/l	
8) Diethyl Ether	3.763	74	851	0.348	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.140	101	1753	0.504	ug/l #	43
10) Methyl Iodide	4.351	142	1570	0.391	ug/l #	77
11) Tert butyl alcohol	5.281	59	3187m	2.594	ug/l	
12) 1,1-Dichloroethene	4.104	96	1597m	0.472	ug/l	
13) Acrolein	3.975	56	3141	3.849	ug/l	93
14) Allyl chloride	4.757	41	4037m	0.544	ug/l	
15) Acrylonitrile	5.475	53	5909m	2.103	ug/l	
16) Acetone	4.228	43	7560	2.982	ug/l #	76
17) Carbon Disulfide	4.451	76	4290m	0.466	ug/l	
18) Methyl Acetate	4.781	43	6111	0.818	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	5938	0.436	ug/l #	75
20) Methylene Chloride	5.022	84	2548m	0.582	ug/l	
21) trans-1,2-Dichloroethene	5.534	96	1851m	0.488	ug/l	
22) Diisopropyl ether	6.410	45	5947m	0.398	ug/l	
23) Vinyl Acetate	6.363	43	22842	1.713	ug/l #	91
24) 1,1-Dichloroethane	6.316	63	3275	0.426	ug/l #	85
25) 2-Butanone	7.269	43	8507m	1.999	ug/l	
26) 2,2-Dichloropropane	7.239	77	2983	0.429	ug/l	79
27) cis-1,2-Dichloroethene	7.234	96	2318m	0.496	ug/l	
28) Bromochloromethane	7.592	49	1294	0.474	ug/l #	85
29) Tetrahydrofuran	7.616	42	6727	2.391	ug/l #	92
30) Chloroform	7.751	83	3351	0.437	ug/l #	67
31) Cyclohexane	8.022	56	10595	1.418	ug/l #	45
32) 1,1,1-Trichloroethane	7.939	97	2398m	0.349	ug/l	
36) 1,1-Dichloropropene	8.163	75	2911	0.530	ug/l #	65
37) Ethyl Acetate	7.334	43	4514	0.567	ug/l #	84
38) Carbon Tetrachloride	8.139	117	2246	0.396	ug/l #	54
39) Methylcyclohexane	9.398	83	2550	0.367	ug/l	95
40) Benzene	8.386	78	6615	0.394	ug/l #	84
41) Methacrylonitrile	7.551	41	2164m	0.548	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.463	62	3129	0.487	ug/l #	76
43) Isopropyl Acetate	8.498	43	5243	0.403	ug/l #	87
44) Trichloroethene	9.151	130	3747	0.995	ug/l	96
45) 1,2-Dichloropropane	9.433	63	1996m	0.447	ug/l	
46) Dibromomethane	9.516	93	1549	0.507	ug/l	88
47) Bromodichloromethane	9.704	83	2811	0.462	ug/l #	75
48) Methyl methacrylate	9.498	41	2321	0.404	ug/l #	82
49) 1,4-Dioxane	9.510	88	809	6.690	ug/l #	84
51) 4-Methyl-2-Pentanone	10.269	43	15379	1.806	ug/l	92
52) Toluene	10.439	92	3837	0.369	ug/l	96
53) t-1,3-Dichloropropene	10.663	75	1922	0.286	ug/l #	37
54) cis-1,3-Dichloropropene	10.127	75	2889	0.403	ug/l #	86
55) 1,1,2-Trichloroethane	10.839	97	2152	0.502	ug/l #	78
56) Ethyl methacrylate	10.704	69	2739	0.376	ug/l #	79
57) 1,3-Dichloropropane	10.986	76	3374	0.451	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.986	63	7877	2.326	ug/l	95
59) 2-Hexanone	11.027	43	12719	1.936	ug/l	93
60) Dibromochloromethane	11.169	129	1434m	0.331	ug/l	
61) 1,2-Dibromoethane	11.286	107	1679	0.381	ug/l	85
64) Tetrachloroethene	10.922	164	1246	0.439	ug/l #	65
65) Chlorobenzene	11.704	112	4533	0.449	ug/l #	72
66) 1,1,1,2-Tetrachloroethane	11.774	131	1328	0.337	ug/l #	62
67) Ethyl Benzene	11.786	91	7209	0.378	ug/l	94
68) m/p-Xylenes	11.898	106	5461	0.761	ug/l	84
69) o-Xylene	12.216	106	3120	0.433	ug/l	96
70) Styrene	12.239	104	4565	0.398	ug/l	93
71) Bromoform	12.398	173	1293	0.437	ug/l #	52
73) Isopropylbenzene	12.527	105	5947	0.389	ug/l	93
74) N-amyl acetate	12.327	43	4522m	0.508	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.774	83	2586	0.450	ug/l #	83
76) 1,2,3-Trichloropropane	12.833	75	1905m	0.458	ug/l	
77) Bromobenzene	12.804	156	1514	0.462	ug/l	77
78) n-propylbenzene	12.863	91	6839	0.391	ug/l	97
79) 2-Chlorotoluene	12.951	91	3978	0.373	ug/l	80
80) 1,3,5-Trimethylbenzene	12.998	105	4747	0.374	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.563	75	730m	0.391	ug/l	
82) 4-Chlorotoluene	13.045	91	3608	0.350	ug/l	87
83) tert-Butylbenzene	13.268	119	4605	0.404	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	5234	0.417	ug/l	94
85) sec-Butylbenzene	13.439	105	6267	0.404	ug/l	97
86) p-Isopropyltoluene	13.557	119	4521	0.364	ug/l	90
87) 1,3-Dichlorobenzene	13.557	146	2933	0.484	ug/l	95
88) 1,4-Dichlorobenzene	13.633	146	3384m	0.552	ug/l	
89) n-Butylbenzene	13.886	91	4388	0.415	ug/l	78
90) Hexachloroethane	14.145	117	881	0.335	ug/l	97
91) 1,2-Dichlorobenzene	13.933	146	3024	0.474	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.545	75	400	0.256	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.204	180	1555	0.489	ug/l #	55
94) Hexachlorobutadiene	15.304	225	703	0.488	ug/l #	56
95) Naphthalene	15.439	128	6589	0.530	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.639	180	1722	0.524	ug/l	87

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

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