

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112822\
 Data File : VN075458.D
 Acq On : 28 Nov 2022 18:59
 Operator : JC\MD
 Sample : N5756-11MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20221117MSD

Quant Time: Nov 29 05:33:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	155167	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	243947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	41171	49.430	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.860%		
35) Dibromofluoromethane	8.171	113	51888	54.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.300%		
50) Toluene-d8	10.571	98	116515	53.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.960%		
62) 4-Bromofluorobenzene	12.847	95	85363	53.583	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	54130	45.622	ug/l	99
3) Chloromethane	2.371	50	62690	42.463	ug/l	99
4) Vinyl Chloride	2.524	62	87035	46.777	ug/l	96
5) Bromomethane	2.930	94	85163	52.049	ug/l	99
6) Chloroethane	3.112	64	67325	47.753	ug/l	95
7) Trichlorofluoromethane	3.501	101	121036	45.535	ug/l	97
8) Diethyl Ether	3.971	74	45533	48.874	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	69943	47.664	ug/l	91
10) Methyl Iodide	4.595	142	113373	47.680	ug/l	95
11) Tert butyl alcohol	5.542	59	79788	228.195	ug/l	99
12) 1,1-Dichloroethene	4.353	96	67232	46.789	ug/l	92
13) Acrolein	4.189	56	87566	287.478	ug/l	98
14) Allyl chloride	5.042	41	77586	41.743	ug/l	94
15) Acrylonitrile	5.730	53	197066	245.660	ug/l	98
16) Acetone	4.442	43	153984	198.202	ug/l	94
17) Carbon Disulfide	4.718	76	151730	40.631	ug/l	99
18) Methyl Acetate	5.036	43	95269	48.606	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	239834	47.116	ug/l	97
20) Methylene Chloride	5.289	84	76465	48.498	ug/l	91
21) trans-1,2-Dichloroethene	5.795	96	72962	44.555	ug/l	94
22) Diisopropyl ether	6.683	45	196570	46.344	ug/l	97
23) Vinyl Acetate	6.612	43	761469m	225.661	ug/l	
24) 1,1-Dichloroethane	6.577	63	128132	47.064	ug/l	98
25) 2-Butanone	7.489	43	247070	227.786	ug/l	98
26) 2,2-Dichloropropane	7.500	77	105583	41.728	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	91239	49.273	ug/l	91
28) Bromochloromethane	7.824	49	52735	47.719	ug/l	# 81
29) Tetrahydrofuran	7.847	42	162278	245.965	ug/l	97
30) Chloroform	7.971	83	146477	46.851	ug/l	94
31) Cyclohexane	8.265	56	109699	41.454	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	134321	47.317	ug/l	97
36) 1,1-Dichloropropene	8.377	75	101763	48.694	ug/l	96
37) Ethyl Acetate	7.571	43	91627	48.692	ug/l	98
38) Carbon Tetrachloride	8.365	117	119326	51.978	ug/l	99
39) Methylcyclohexane	9.606	83	129946	49.683	ug/l	98
40) Benzene	8.612	78	316745	49.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	50975	52.986	ug/l	97
42) 1,2-Dichloroethane	8.677	62	106427	49.664	ug/l	95
43) Isopropyl Acetate	8.694	43	154501	51.152	ug/l	96
44) Trichloroethene	9.359	130	87679	50.080	ug/l	93
45) 1,2-Dichloropropane	9.624	63	76741	50.329	ug/l	98
46) Dibromomethane	9.712	93	59019	51.173	ug/l	90
47) Bromodichloromethane	9.894	83	112702	50.461	ug/l	98
48) Methyl methacrylate	9.683	41	74020	52.999	ug/l	96
49) 1,4-Dioxane	9.694	88	40774	1028.134	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	511145	265.698	ug/l	97
52) Toluene	10.630	92	210550	51.064	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	116985	52.174	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	123089	50.545	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	86888	51.739	ug/l	98
56) Ethyl methacrylate	10.877	69	124323	54.818	ug/l	97
57) 1,3-Dichloropropane	11.165	76	138427	50.553	ug/l	100
59) 2-Hexanone	11.194	43	383160	265.240	ug/l	96
60) Dibromochloromethane	11.359	129	96048	55.719	ug/l	99
61) 1,2-Dibromoethane	11.471	107	89604	51.406	ug/l	98
64) Tetrachloroethene	11.106	164	82830	47.676	ug/l	95
65) Chlorobenzene	11.894	112	228355	48.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	89307	50.930	ug/l	98
67) Ethyl Benzene	11.965	91	406694	50.738	ug/l	98
68) m/p-Xylenes	12.071	106	331604	101.873	ug/l	100
69) o-Xylene	12.400	106	165687	51.231	ug/l	94
70) Styrene	12.412	104	268696	52.666	ug/l	98
71) Bromoform	12.582	173	72903	54.626	ug/l #	98
73) Isopropylbenzene	12.700	105	424047	50.345	ug/l	99
74) N-amyl acetate	12.494	43	131962	50.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	132842	51.731	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	113833m	52.222	ug/l	
77) Bromobenzene	12.982	156	103961	49.995	ug/l	85
78) n-propylbenzene	13.035	91	481323	51.205	ug/l	99
79) 2-Chlorotoluene	13.129	91	287065	50.685	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	364451	52.081	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	42800	58.096	ug/l	84
82) 4-Chlorotoluene	13.129	91	287065	50.685	ug/l	97
83) tert-Butylbenzene	13.441	119	323471	50.698	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	364246	51.893	ug/l	100
85) sec-Butylbenzene	13.618	105	457601	52.858	ug/l	99
86) p-Isopropyltoluene	13.729	119	387330	53.177	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	196561	49.890	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	194481	48.594	ug/l	99
89) n-Butylbenzene	14.059	91	305007	49.580	ug/l	98
90) Hexachloroethane	14.335	117	65740	52.318	ug/l	83
91) 1,2-Dichlorobenzene	14.106	146	196817	51.249	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25999	53.448	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	98163	49.878	ug/l	98
94) Hexachlorobutadiene	15.506	225	50379	49.144	ug/l	99
95) Naphthalene	15.641	128	325493	52.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	97791	50.556	ug/l	99

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

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