

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076703.D
 Acq On : 16 Feb 2023 11:41
 Operator : JC\MD
 Sample : VN0216WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBS01

Quant Time: Feb 17 00:06:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/17/2023
 Supervised By : Mahesh Dadoda 02/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	293027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	521499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	472699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	222484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	221259	54.682	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	8.178	113	176839	51.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.560%			
50) Toluene-d8	10.572	98	690512	54.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.280%			
62) 4-Bromofluorobenzene	12.848	95	226715	53.670	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	61219	19.675	ug/l	99
3) Chloromethane	2.378	50	72656	17.898	ug/l	99
4) Vinyl Chloride	2.525	62	77033	19.281	ug/l	95
5) Bromomethane	2.966	94	51361	21.217	ug/l	93
6) Chloroethane	3.125	64	54934	21.757	ug/l	98
7) Trichlorofluoromethane	3.507	101	100089	18.412	ug/l	98
8) Diethyl Ether	3.972	74	38898	18.570	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.390	101	58450	18.299	ug/l	97
10) Methyl Iodide	4.602	142	67257	17.051	ug/l	99
11) Tert butyl alcohol	5.531	59	58722	109.947	ug/l	99
12) 1,1-Dichloroethene	4.354	96	53057	17.542	ug/l #	72
13) Acrolein	4.196	56	79470	99.109	ug/l	99
14) Allyl chloride	5.037	41	105853	20.198	ug/l	93
15) Acrylonitrile	5.725	53	195829	103.314	ug/l	98
16) Acetone	4.443	43	179040	99.058	ug/l	94
17) Carbon Disulfide	4.719	76	139000	17.406	ug/l	97
18) Methyl Acetate	5.037	43	122671	20.793	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	199676	19.581	ug/l	99
20) Methylene Chloride	5.290	84	68843	18.174	ug/l	91
21) trans-1,2-Dichloroethene	5.801	96	60583	17.794	ug/l	93
22) Diisopropyl ether	6.678	45	246890	20.086	ug/l	95
23) Vinyl Acetate	6.619	43	805456	110.751	ug/l	99
24) 1,1-Dichloroethane	6.578	63	127662	18.950	ug/l	97
25) 2-Butanone	7.490	43	275177	103.214	ug/l	98
26) 2,2-Dichloropropane	7.495	77	93846	19.314	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	73102	18.103	ug/l	91
28) Bromochloromethane	7.825	49	65448	20.413	ug/l #	91
29) Tetrahydrofuran	7.842	42	187738	107.778	ug/l	98
30) Chloroform	7.972	83	127374	18.924	ug/l	92
31) Cyclohexane	8.266	56	127196	20.040	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	104590	18.481	ug/l	96
36) 1,1-Dichloropropene	8.372	75	92767	18.800	ug/l	99
37) Ethyl Acetate	7.572	43	113226	21.809	ug/l	98
38) Carbon Tetrachloride	8.366	117	89588	17.998	ug/l	97
39) Methylcyclohexane	9.607	83	107354	19.140	ug/l	98
40) Benzene	8.613	78	292973	19.334	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	59698	19.849	ug/l	93
42) 1,2-Dichloroethane	8.678	62	102336	19.364	ug/l	100
43) Isopropyl Acetate	8.695	43	176295	20.868	ug/l	97
44) Trichloroethene	9.360	130	63846	17.830	ug/l	90
45) 1,2-Dichloropropane	9.625	63	75646	18.858	ug/l	100
46) Dibromomethane	9.713	93	51194	19.963	ug/l	92
47) Bromodichloromethane	9.889	83	97819	19.025	ug/l #	98
48) Methyl methacrylate	9.684	41	84239	21.014	ug/l	97
49) 1,4-Dioxane	9.695	88	28332	408.568	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	589068	109.593	ug/l	98
52) Toluene	10.636	92	186268	20.360	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	97972	19.742	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	112662	19.682	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	74087	19.915	ug/l	95
56) Ethyl methacrylate	10.878	69	106485	20.336	ug/l	94
57) 1,3-Dichloropropane	11.166	76	125090	19.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	225578	94.064	ug/l	97
59) 2-Hexanone	11.201	43	431761	111.406	ug/l	100
60) Dibromochloromethane	11.366	129	72134	18.398	ug/l	98
61) 1,2-Dibromoethane	11.472	107	69623	18.698	ug/l	100
64) Tetrachloroethene	11.107	164	54764	18.384	ug/l	96
65) Chlorobenzene	11.895	112	189259	18.892	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.960	131	68801	18.908	ug/l	96
67) Ethyl Benzene	11.966	91	342312	20.057	ug/l	98
68) m/p-Xylenes	12.072	106	265933	40.424	ug/l	94
69) o-Xylene	12.401	106	132171	20.600	ug/l	98
70) Styrene	12.413	104	216733	20.890	ug/l	99
71) Bromoform	12.583	173	50795	19.031	ug/l #	95
73) Isopropylbenzene	12.695	105	338823	20.777	ug/l	98
74) N-amyl acetate	12.495	43	148177	20.159	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.936	83	115664	19.595	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	87107m	19.366	ug/l	
77) Bromobenzene	12.983	156	75637	18.590	ug/l	91
78) n-propylbenzene	13.036	91	401764	20.981	ug/l	97
79) 2-Chlorotoluene	13.130	91	239876	20.459	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	285204	21.162	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	31971	20.702	ug/l	96
82) 4-Chlorotoluene	13.130	91	239876	20.459	ug/l	94
83) tert-Butylbenzene	13.442	119	248726	20.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	285087	21.225	ug/l	99
85) sec-Butylbenzene	13.619	105	355379	20.878	ug/l	98
86) p-Isopropyltoluene	13.730	119	283354	20.847	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	144235	18.754	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	149113	19.469	ug/l	97
89) n-Butylbenzene	14.060	91	234613	19.846	ug/l	98
90) Hexachloroethane	14.336	117	53914	18.944	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	150115	19.039	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.719	75	20385	17.825	ug/l	99
93) 1,2,4-Trichlorobenzene	15.401	180	70934	18.036	ug/l	96
94) Hexachlorobutadiene	15.507	225	34896	18.103	ug/l	99
95) Naphthalene	15.642	128	231786	19.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	67832	17.802	ug/l	95

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

