

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077756.D
 Acq On : 19 May 2023 12:04
 Operator : JC\MD
 Sample : VN0519WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2023
 Supervised By : Mahesh Dadoda 05/22/2023

Quant Time: May 19 23:53:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	381287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	678990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	590328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	277949	48.720	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.440%		
35) Dibromofluoromethane	8.171	113	229632	51.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.720%		
50) Toluene-d8	10.571	98	866653	50.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.700%		
62) 4-Bromofluorobenzene	12.859	95	295008	49.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	76496	17.629	ug/l	96
3) Chloromethane	2.365	50	79346	16.029	ug/l	98
4) Vinyl Chloride	2.518	62	93043	17.007	ug/l	99
5) Bromomethane	2.971	94	71468	17.663	ug/l	100
6) Chloroethane	3.130	64	66901	16.968	ug/l	99
7) Trichlorofluoromethane	3.506	101	144009	18.888	ug/l	96
8) Diethyl Ether	3.977	74	52443	18.841	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	78850	18.687	ug/l	95
10) Methyl Iodide	4.606	142	100208	19.914	ug/l	91
11) Tert butyl alcohol	5.536	59	71924	91.350	ug/l #	86
12) 1,1-Dichloroethene	4.353	96	73164	18.244	ug/l	90
13) Acrolein	4.189	56	50001	82.872	ug/l	94
14) Allyl chloride	5.036	41	98897	16.787	ug/l	91
15) Acrylonitrile	5.730	53	192367	91.451	ug/l	100
16) Acetone	4.442	43	155580	86.680	ug/l	91
17) Carbon Disulfide	4.718	76	168294	15.575	ug/l	100
18) Methyl Acetate	5.036	43	137088	18.206	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	271468	18.702	ug/l	100
20) Methylene Chloride	5.283	84	89710	17.936	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	81956	18.193	ug/l #	85
22) Diisopropyl ether	6.683	45	254547	18.434	ug/l #	92
23) Vinyl Acetate	6.612	43	741365	86.652	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	159684	18.875	ug/l	98
25) 2-Butanone	7.488	43	245318	87.372	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	132582	18.447	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	99982	18.510	ug/l	92
28) Bromochloromethane	7.818	49	67902	18.559	ug/l	88
29) Tetrahydrofuran	7.847	42	163421	88.889	ug/l #	84
30) Chloroform	7.977	83	172802	18.568	ug/l	95
31) Cyclohexane	8.265	56	132272	17.059	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	148122	18.721	ug/l	98
36) 1,1-Dichloropropene	8.377	75	122220	18.873	ug/l	97
37) Ethyl Acetate	7.571	43	101363	17.561	ug/l	96
38) Carbon Tetrachloride	8.371	117	126898	19.405	ug/l	98
39) Methylcyclohexane	9.612	83	147378	18.589	ug/l	89
40) Benzene	8.612	78	371224	19.425	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	56357	18.333	ug/l	92
42) 1,2-Dichloroethane	8.677	62	133421	19.219	ug/l	96
43) Isopropyl Acetate	8.694	43	174537	18.512	ug/l	95
44) Trichloroethene	9.359	130	96356	19.912	ug/l	94
45) 1,2-Dichloropropane	9.629	63	95102	19.510	ug/l	95
46) Dibromomethane	9.718	93	65540	18.790	ug/l	91
47) Bromodichloromethane	9.894	83	134586	20.154	ug/l	99
48) Methyl methacrylate	9.688	41	86504	19.352	ug/l	83
49) 1,4-Dioxane	9.706	88	33960	402.233	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	526398	93.928	ug/l	93
52) Toluene	10.635	92	235581	19.801	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	137288	19.414	ug/l	97
54) cis-1,3-Dichloropropene	10.323	75	148923	19.110	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	92902	19.666	ug/l	91
56) Ethyl methacrylate	10.882	69	130995	18.340	ug/l #	88
57) 1,3-Dichloropropane	11.170	76	161723	19.970	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	324700	92.405	ug/l	93
59) 2-Hexanone	11.200	43	361796	87.279	ug/l	94
60) Dibromochloromethane	11.365	129	100165	20.539	ug/l	98
61) 1,2-Dibromoethane	11.476	107	92625	19.654	ug/l	99
64) Tetrachloroethene	11.112	164	92064	22.301	ug/l	94
65) Chlorobenzene	11.900	112	251218	19.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	93218	21.051	ug/l	98
67) Ethyl Benzene	11.970	91	443116	19.321	ug/l	99
68) m/p-Xylenes	12.076	106	344583	39.653	ug/l	99
69) o-Xylene	12.406	106	166445	19.476	ug/l	94
70) Styrene	12.417	104	269048	19.818	ug/l	97
71) Bromoform	12.588	173	61220	20.783	ug/l #	98
73) Isopropylbenzene	12.706	105	443446	19.804	ug/l	99
74) N-amyl acetate	12.500	43	139917	16.905	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	128586	18.667	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	125639m	19.313	ug/l	
77) Bromobenzene	12.988	156	97967	19.172	ug/l	100
78) n-propylbenzene	13.041	91	507452	19.223	ug/l	100
79) 2-Chlorotoluene	13.135	91	302373	19.195	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	372252	19.780	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	31686	15.569	ug/l #	79
82) 4-Chlorotoluene	13.229	91	290692	18.547	ug/l	97
83) tert-Butylbenzene	13.447	119	326954	19.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	377239	20.382	ug/l	99
85) sec-Butylbenzene	13.623	105	462066	19.790	ug/l	99
86) p-Isopropyltoluene	13.741	119	380982	20.467	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	184385	19.512	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	181123	19.315	ug/l	100
89) n-Butylbenzene	14.064	91	319786	18.678	ug/l	98
90) Hexachloroethane	14.341	117	60457	19.771	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	184192	20.864	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	23378	17.529	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	87676	16.995	ug/l	98
94) Hexachlorobutadiene	15.506	225	41748	19.490	ug/l	96
95) Naphthalene	15.647	128	255376	14.381	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	88678	17.556	ug/l	99

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

