

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077832.D
 Acq On : 24 May 2023 01:49
 Operator : JC\MD
 Sample : VN0523WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 24 05:58:19 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	384478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	714744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	614098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	243829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	284563	49.465	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.940%		
35) Dibromofluoromethane	8.171	113	247815	53.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.340%		
50) Toluene-d8	10.576	98	892872	49.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.853	95	292088	46.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	63720	14.563	ug/l	92
3) Chloromethane	2.371	50	69329	13.641	ug/l	94
4) Vinyl Chloride	2.518	62	87176	15.802	ug/l	99
5) Bromomethane	2.965	94	68936	16.896	ug/l	97
6) Chloroethane	3.130	64	62395	15.694	ug/l	98
7) Trichlorofluoromethane	3.506	101	124306	16.168	ug/l	100
8) Diethyl Ether	3.971	74	44548	15.872	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.383	101	70571	16.587	ug/l	98
10) Methyl Iodide	4.600	142	87398	17.224	ug/l	99
11) Tert butyl alcohol	5.530	59	68637	86.451	ug/l	100
12) 1,1-Dichloroethene	4.347	96	65852	16.284	ug/l	91
13) Acrolein	4.183	56	61525	108.276	ug/l	99
14) Allyl chloride	5.030	41	94948	15.983	ug/l	95
15) Acrylonitrile	5.730	53	174186	82.121	ug/l	98
16) Acetone	4.442	43	140458	77.605	ug/l	92
17) Carbon Disulfide	4.718	76	138631	12.723	ug/l	98
18) Methyl Acetate	5.036	43	125410	16.517	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	245940	16.802	ug/l	96
20) Methylene Chloride	5.283	84	84117	16.534	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	71508	15.742	ug/l	86
22) Diisopropyl ether	6.683	45	233411	16.763	ug/l	96
23) Vinyl Acetate	6.612	43	677646	78.547	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	142990	16.762	ug/l	97
25) 2-Butanone	7.494	43	223791	79.044	ug/l	88
26) 2,2-Dichloropropane	7.494	77	99105	13.674	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	92970	17.069	ug/l	96
28) Bromochloromethane	7.818	49	62151	16.846	ug/l	95
29) Tetrahydrofuran	7.847	42	142713	76.981	ug/l	84
30) Chloroform	7.971	83	156135	16.638	ug/l	91
31) Cyclohexane	8.259	56	114891	14.694	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	133180	16.693	ug/l	97
36) 1,1-Dichloropropene	8.377	75	103813	15.228	ug/l	97
37) Ethyl Acetate	7.565	43	90491	14.893	ug/l	95
38) Carbon Tetrachloride	8.371	117	113939	16.552	ug/l	98
39) Methylcyclohexane	9.606	83	120013	14.380	ug/l	90
40) Benzene	8.612	78	321350	15.974	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	48467	14.978	ug/l	91
42) 1,2-Dichloroethane	8.677	62	115651	15.826	ug/l	98
43) Isopropyl Acetate	8.694	43	170892	17.219	ug/l #	91
44) Trichloroethene	9.353	130	84000	16.491	ug/l	98
45) 1,2-Dichloropropane	9.629	63	84993	16.564	ug/l	97
46) Dibromomethane	9.718	93	61099	16.640	ug/l	94
47) Bromodichloromethane	9.894	83	124462	17.705	ug/l	98
48) Methyl methacrylate	9.682	41	73864	15.697	ug/l	88
49) 1,4-Dioxane	9.706	88	30712	345.566	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	478837	81.167	ug/l	94
52) Toluene	10.641	92	204777	16.351	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	115542	15.521	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	126673	15.441	ug/l #	89
55) 1,1,2-Trichloroethane	11.023	97	87667	17.630	ug/l	95
56) Ethyl methacrylate	10.882	69	119529	15.897	ug/l	90
57) 1,3-Dichloropropane	11.171	76	144906	16.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	254969	68.931	ug/l	92
59) 2-Hexanone	11.200	43	327056	74.952	ug/l	93
60) Dibromochloromethane	11.365	129	92608	18.040	ug/l	98
61) 1,2-Dibromoethane	11.476	107	88350	17.809	ug/l	94
64) Tetrachloroethene	11.112	164	77366	18.015	ug/l	97
65) Chlorobenzene	11.900	112	225822	16.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	86537	18.786	ug/l	96
67) Ethyl Benzene	11.970	91	387932	16.260	ug/l	100
68) m/p-Xylenes	12.076	106	293923	32.514	ug/l	98
69) o-Xylene	12.406	106	149683	16.837	ug/l	97
70) Styrene	12.417	104	234679	16.617	ug/l	100
71) Bromoform	12.588	173	55088	17.977	ug/l #	99
73) Isopropylbenzene	12.706	105	386549	18.391	ug/l	99
74) N-amyl acetate	12.500	43	122433	15.759	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	117022	18.098	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	113386m	18.569	ug/l	
77) Bromobenzene	12.988	156	85051	17.732	ug/l	99
78) n-propylbenzene	13.041	91	420720	16.979	ug/l	100
79) 2-Chlorotoluene	13.135	91	258407	17.476	ug/l	95
80) 1,3,5-Trimethylbenzene	13.182	105	329134	18.632	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	29394	15.387	ug/l	92
82) 4-Chlorotoluene	13.229	91	241192	16.395	ug/l	99
83) tert-Butylbenzene	13.447	119	282639	18.328	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	312341	17.978	ug/l	97
85) sec-Butylbenzene	13.623	105	384869	17.561	ug/l	98
86) p-Isopropyltoluene	13.735	119	311246	17.813	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	149883	16.897	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	144881	16.459	ug/l	97
89) n-Butylbenzene	14.064	91	250398	15.581	ug/l	99
90) Hexachloroethane	14.341	117	53038	18.478	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	154036	18.588	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	19234	15.365	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	61715	12.744	ug/l	100
94) Hexachlorobutadiene	15.506	225	34306	17.062	ug/l	97
95) Naphthalene	15.653	128	189366	11.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	65160	13.743	ug/l	99

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

