

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077545.D
 Acq On : 01 May 2023 16:14
 Operator : JC\MD
 Sample : VN0501WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	677159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1264704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1131006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	457029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	412484	46.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.360%
35) Dibromofluoromethane	8.172	113	359901	47.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.700%
50) Toluene-d8	10.572	98	1407622	48.317	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.854	95	471848	49.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	148892	17.427	ug/l	95
3) Chloromethane	2.372	50	115467	17.011	ug/l	97
4) Vinyl Chloride	2.525	62	161844	17.898	ug/l	98
5) Bromomethane	2.954	94	143176	18.279	ug/l	93
6) Chloroethane	3.125	64	128328	18.680	ug/l	98
7) Trichlorofluoromethane	3.507	101	254956	19.183	ug/l	94
8) Diethyl Ether	3.972	74	89019	18.432	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.378	101	143990	18.629	ug/l	99
10) Methyl Iodide	4.596	142	167377	17.626	ug/l	99
11) Tert butyl alcohol	5.537	59	130320	91.871	ug/l	100
12) 1,1-Dichloroethene	4.348	96	135654	17.951	ug/l	91
13) Acrolein	4.190	56	116397	82.485	ug/l	99
14) Allyl chloride	5.037	41	151806	18.069	ug/l	96
15) Acrylonitrile	5.725	53	311536	96.811	ug/l	100
16) Acetone	4.443	43	283545	100.865	ug/l	97
17) Carbon Disulfide	4.719	76	304912	15.879	ug/l	97
18) Methyl Acetate	5.037	43	209493	19.298	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	469041	18.663	ug/l	99
20) Methylene Chloride	5.290	84	162106	18.184	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	147692	18.074	ug/l	96
22) Diisopropyl ether	6.684	45	351764	18.243	ug/l	98
23) Vinyl Acetate	6.613	43	1041335	86.474	ug/l	100
24) 1,1-Dichloroethane	6.572	63	252235	18.480	ug/l	96
25) 2-Butanone	7.489	43	380822	95.513	ug/l	99
26) 2,2-Dichloropropane	7.495	77	252112	19.049	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	178025	18.395	ug/l	99
28) Bromochloromethane	7.825	49	83998	16.115	ug/l	94
29) Tetrahydrofuran	7.842	42	232111	92.913	ug/l	97
30) Chloroform	7.972	83	300205	19.516	ug/l	94
31) Cyclohexane	8.266	56	212586	16.983	ug/l	96
32) 1,1,1-Trichloroethane	8.178	97	273855	19.365	ug/l	97
36) 1,1-Dichloropropene	8.378	75	206947	18.844	ug/l	99
37) Ethyl Acetate	7.566	43	148262	17.767	ug/l	97
38) Carbon Tetrachloride	8.366	117	232983	19.228	ug/l	98
39) Methylcyclohexane	9.601	83	263571	18.216	ug/l	96
40) Benzene	8.607	78	634814	18.975	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	80778	18.585	ug/l	97
42) 1,2-Dichloroethane	8.678	62	222397	19.355	ug/l	100
43) Isopropyl Acetate	8.695	43	263437	18.248	ug/l	97
44) Trichloroethene	9.360	130	164987	19.261	ug/l	98
45) 1,2-Dichloropropane	9.625	63	151784	19.368	ug/l	99
46) Dibromomethane	9.713	93	120273	18.914	ug/l	96
47) Bromodichloromethane	9.889	83	237987	19.349	ug/l	96
48) Methyl methacrylate	9.683	41	115333	17.550	ug/l	96
49) 1,4-Dioxane	9.695	88	64079	388.746	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	800704	94.558	ug/l	99
52) Toluene	10.630	92	435436	19.868	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	240167	19.283	ug/l	95
54) cis-1,3-Dichloropropene	10.313	75	253923	18.730	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	176291	20.003	ug/l	96
56) Ethyl methacrylate	10.877	69	238995	19.353	ug/l #	92
57) 1,3-Dichloropropane	11.166	76	279365	19.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.160	63	328767	78.709	ug/l	98
59) 2-Hexanone	11.195	43	598487	97.233	ug/l	98
60) Dibromochloromethane	11.360	129	177384	19.393	ug/l	100
61) 1,2-Dibromoethane	11.472	107	175130	19.464	ug/l	98
64) Tetrachloroethene	11.107	164	125858	18.590	ug/l	98
65) Chlorobenzene	11.895	112	450666	18.830	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.960	131	168308	19.329	ug/l	98
67) Ethyl Benzene	11.966	91	819794	19.458	ug/l	99
68) m/p-Xylenes	12.072	106	640309	39.104	ug/l	100
69) o-Xylene	12.401	106	321793	19.980	ug/l	98
70) Styrene	12.413	104	502030	19.931	ug/l	99
71) Bromoform	12.577	173	111544	19.580	ug/l #	99
73) Isopropylbenzene	12.701	105	822092	19.384	ug/l	100
74) N-amyl acetate	12.495	43	213835	17.031	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.936	83	252259	18.931	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	213170m	20.058	ug/l	
77) Bromobenzene	12.983	156	174816	18.913	ug/l	97
78) n-propylbenzene	13.042	91	901007	19.214	ug/l	100
79) 2-Chlorotoluene	13.130	91	556016	19.231	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	638927	20.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	67117	17.842	ug/l	94
82) 4-Chlorotoluene	13.224	91	526781	19.499	ug/l	100
83) tert-Butylbenzene	13.442	119	595129	19.458	ug/l	100
84) 1,2,4-Trimethylbenzene	13.489	105	593583	20.180	ug/l	100
85) sec-Butylbenzene	13.618	105	815090	19.415	ug/l	100
86) p-Isopropyltoluene	13.736	119	636118	19.693	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	312177	18.991	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	305373	18.815	ug/l	99
89) n-Butylbenzene	14.060	91	476118	19.047	ug/l	98
90) Hexachloroethane	14.336	117	124730	17.479	ug/l	100
91) 1,2-Dichlorobenzene	14.113	146	306474	18.798	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	45326	18.394	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	69502	18.110	ug/l	97
94) Hexachlorobutadiene	15.507	225	64194	19.485	ug/l	98
95) Naphthalene	15.648	128	249762	17.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	63346	17.667	ug/l	94

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

