

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077320.D
 Acq On : 13 Apr 2023 11:46
 Operator : JC\MD
 Sample : VN0413WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 07:22:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	413620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	796969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	703728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	295139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	272447	48.194	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.380%		
35) Dibromofluoromethane	8.172	113	243219	47.672	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	10.572	98	943850	45.955	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.900%		
62) 4-Bromofluorobenzene	12.854	95	316131	46.279	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	85702	16.234	ug/l	96
3) Chloromethane	2.372	50	103022	15.747	ug/l	98
4) Vinyl Chloride	2.525	62	143135	16.137	ug/l	98
5) Bromomethane	2.966	94	110861	17.240	ug/l	86
6) Chloroethane	3.131	64	100632	15.897	ug/l	96
7) Trichlorofluoromethane	3.502	101	140614	18.282	ug/l	97
8) Diethyl Ether	3.972	74	60991	18.924	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.372	101	86227	18.319	ug/l	97
10) Methyl Iodide	4.601	142	101985	17.816	ug/l	96
11) Tert butyl alcohol	5.531	59	96399	83.570	ug/l	98
12) 1,1-Dichloroethene	4.348	96	82891	17.108	ug/l	92
13) Acrolein	4.184	56	103888	95.092	ug/l	98
14) Allyl chloride	5.031	41	113099	15.455	ug/l	96
15) Acrylonitrile	5.731	53	231003	90.584	ug/l	97
16) Acetone	4.437	43	180288	86.497	ug/l	99
17) Carbon Disulfide	4.725	76	219995	16.838	ug/l	100
18) Methyl Acetate	5.037	43	140506	17.700	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	309619	18.009	ug/l	96
20) Methylene Chloride	5.290	84	103220	17.535	ug/l	96
21) trans-1,2-Dichloroethene	5.790	96	91004	17.154	ug/l	89
22) Diisopropyl ether	6.678	45	257594	17.558	ug/l	98
23) Vinyl Acetate	6.613	43	972991m	98.084	ug/l	
24) 1,1-Dichloroethane	6.584	63	163377	17.245	ug/l	98
25) 2-Butanone	7.489	43	286161	84.593	ug/l	98
26) 2,2-Dichloropropane	7.495	77	155587	17.910	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	111717	17.244	ug/l	99
28) Bromochloromethane	7.819	49	71040	18.641	ug/l	98
29) Tetrahydrofuran	7.842	42	174147	80.084	ug/l	93
30) Chloroform	7.972	83	180236	17.840	ug/l	94
31) Cyclohexane	8.260	56	144811	16.485	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	160380	17.455	ug/l	95
36) 1,1-Dichloropropene	8.378	75	130138	17.246	ug/l	99
37) Ethyl Acetate	7.572	43	117147	17.352	ug/l	99
38) Carbon Tetrachloride	8.372	117	135786	17.564	ug/l	94
39) Methylcyclohexane	9.607	83	176252	17.322	ug/l	94
40) Benzene	8.607	78	414951	17.630	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	61573	16.967	ug/l	99
42) 1,2-Dichloroethane	8.678	62	131345	18.132	ug/l	96
43) Isopropyl Acetate	8.689	43	214219	17.196	ug/l	99
44) Trichloroethene	9.360	130	103586	18.394	ug/l	93
45) 1,2-Dichloropropane	9.631	63	100719	18.018	ug/l	95
46) Dibromomethane	9.713	93	77411	18.381	ug/l	99
47) Bromodichloromethane	9.889	83	149732	17.787	ug/l	100
48) Methyl methacrylate	9.683	41	92534	17.412	ug/l	98
49) 1,4-Dioxane	9.695	88	43856	340.380	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	631855	87.747	ug/l	100
52) Toluene	10.636	92	274856	17.841	ug/l	99
53) t-1,3-Dichloropropene	10.842	75	166167	18.178	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	176102	18.087	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	111127	18.376	ug/l	97
56) Ethyl methacrylate	10.878	69	166917	17.721	ug/l	98
57) 1,3-Dichloropropane	11.166	76	181803	18.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	251389	89.656	ug/l	97
59) 2-Hexanone	11.201	43	461696	86.063	ug/l	100
60) Dibromochloromethane	11.366	129	115821	18.596	ug/l	99
61) 1,2-Dibromoethane	11.477	107	112257	18.598	ug/l	99
64) Tetrachloroethene	11.107	164	79368	18.257	ug/l	95
65) Chlorobenzene	11.895	112	292059	18.851	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.966	131	107484	18.335	ug/l	100
67) Ethyl Benzene	11.966	91	519833	18.182	ug/l	98
68) m/p-Xylenes	12.077	106	407920	36.312	ug/l	98
69) o-Xylene	12.401	106	199690	18.019	ug/l	98
70) Styrene	12.413	104	322317	18.073	ug/l	98
71) Bromoform	12.583	173	75213	18.226	ug/l #	99
73) Isopropylbenzene	12.701	105	513924	17.928	ug/l	100
74) N-amyl acetate	12.495	43	181366	16.695	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	166099	18.463	ug/l	98
76) 1,2,3-Trichloropropane	13.001	75	147254m	20.952	ug/l	
77) Bromobenzene	12.983	156	107181	18.388	ug/l	96
78) n-propylbenzene	13.042	91	571603	18.046	ug/l	100
79) 2-Chlorotoluene	13.130	91	344434	18.059	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	420915	18.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	54917	17.584	ug/l	90
82) 4-Chlorotoluene	13.224	91	324948	18.071	ug/l	100
83) tert-Butylbenzene	13.442	119	369072	18.110	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	402045	17.774	ug/l	100
85) sec-Butylbenzene	13.624	105	518336	18.250	ug/l	100
86) p-Isopropyltoluene	13.736	119	410030	18.369	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	197550	18.319	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	190817	17.944	ug/l	99
89) n-Butylbenzene	14.060	91	329004	17.754	ug/l	99
90) Hexachloroethane	14.342	117	86217	17.665	ug/l	99
91) 1,2-Dichlorobenzene	14.113	146	199715	18.513	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	27194	15.950	ug/l	96
93) 1,2,4-Trichlorobenzene	15.371	180	61225	15.722	ug/l	98
94) Hexachlorobutadiene	15.465	225	39437	17.495	ug/l	96
95) Naphthalene	15.589	128	230722	15.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	56248	15.100	ug/l	96

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

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