

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077466.D
 Acq On : 25 Apr 2023 12:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 14:08:07 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	623229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1187117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1069270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	456563	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	447939	55.081	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.160%	
35) Dibromofluoromethane	8.172	113	380511	53.330	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.660%	
50) Toluene-d8	10.566	98	1484684	54.293	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.848	95	510284	57.035	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	342809	43.132	ug/l	98
3) Chloromethane	2.372	50	263655	42.203	ug/l	99
4) Vinyl Chloride	2.525	62	380647	45.739	ug/l	99
5) Bromomethane	2.949	94	311012	43.142	ug/l	97
6) Chloroethane	3.125	64	280828	44.416	ug/l	99
7) Trichlorofluoromethane	3.501	101	546761	44.699	ug/l	99
8) Diethyl Ether	3.972	74	201489	45.330	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.378	101	303411	42.651	ug/l	100
10) Methyl Iodide	4.601	142	409017	46.800	ug/l	98
11) Tert butyl alcohol	5.531	59	290438	222.466	ug/l	98
12) 1,1-Dichloroethene	4.354	96	297336	42.751	ug/l	98
13) Acrolein	4.190	56	267892	206.271	ug/l	99
14) Allyl chloride	5.037	41	340695	44.060	ug/l	99
15) Acrylonitrile	5.725	53	701096	236.722	ug/l	99
16) Acetone	4.437	43	529061	204.488	ug/l	99
17) Carbon Disulfide	4.725	76	744052	42.101	ug/l	100
18) Methyl Acetate	5.031	43	458153	45.856	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	1065962	46.086	ug/l	99
20) Methylene Chloride	5.290	84	349083	42.545	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	343232	45.638	ug/l	98
22) Diisopropyl ether	6.684	45	810038	45.644	ug/l	98
23) Vinyl Acetate	6.613	43	2541966	229.354	ug/l	100
24) 1,1-Dichloroethane	6.578	63	566212	45.073	ug/l	100
25) 2-Butanone	7.489	43	828455	225.762	ug/l	100
26) 2,2-Dichloropropane	7.495	77	377447	30.987	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	400253	44.937	ug/l	95
28) Bromochloromethane	7.819	49	218182	45.481	ug/l	98
29) Tetrahydrofuran	7.842	42	540547	235.103	ug/l	99
30) Chloroform	7.972	83	658819	46.536	ug/l	95
31) Cyclohexane	8.260	56	469726	40.774	ug/l	96
32) 1,1,1-Trichloroethane	8.172	97	615783	47.311	ug/l	100
36) 1,1-Dichloropropene	8.378	75	465021	45.112	ug/l	99
37) Ethyl Acetate	7.566	43	353877	45.178	ug/l	98
38) Carbon Tetrachloride	8.366	117	523334	46.014	ug/l	97
39) Methylcyclohexane	9.607	83	583785	42.985	ug/l	98
40) Benzene	8.613	78	1430258	45.546	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	179897	44.096	ug/l	94
42) 1,2-Dichloroethane	8.678	62	480976	44.594	ug/l	99
43) Isopropyl Acetate	8.695	43	619975	45.751	ug/l	99
44) Trichloroethene	9.354	130	367906	45.758	ug/l	98
45) 1,2-Dichloropropane	9.625	63	330643	44.949	ug/l	98
46) Dibromomethane	9.713	93	269293	45.117	ug/l	98
47) Bromodichloromethane	9.889	83	531280	46.017	ug/l	100
48) Methyl methacrylate	9.683	41	276082	44.758	ug/l	99
49) 1,4-Dioxane	9.695	88	143049	924.551	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1848363	232.547	ug/l	99
52) Toluene	10.636	92	967449	47.027	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	521920	44.644	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	560042	44.010	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	378772	45.787	ug/l	98
56) Ethyl methacrylate	10.877	69	546655	47.159	ug/l	99
57) 1,3-Dichloropropane	11.166	76	616652	46.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	973873	248.391	ug/l	98
59) 2-Hexanone	11.201	43	1346014	232.973	ug/l	100
60) Dibromochloromethane	11.360	129	402319	46.860	ug/l	99
61) 1,2-Dibromoethane	11.472	107	394902	46.758	ug/l	97
64) Tetrachloroethene	11.107	164	295070	46.099	ug/l	97
65) Chlorobenzene	11.895	112	1008322	44.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	373555	45.377	ug/l	98
67) Ethyl Benzene	11.966	91	1830259	45.950	ug/l	99
68) m/p-Xylenes	12.071	106	1432161	92.513	ug/l	100
69) o-Xylene	12.401	106	716501	47.055	ug/l	99
70) Styrene	12.413	104	1154242	48.471	ug/l	99
71) Bromoform	12.583	173	264139	49.044	ug/l #	99
73) Isopropylbenzene	12.695	105	1855532	43.797	ug/l	99
74) N-amyl acetate	12.495	43	530182	42.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	548585	41.210	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	470212m	44.289	ug/l	
77) Bromobenzene	12.983	156	392876	42.549	ug/l	99
78) n-propylbenzene	13.036	91	2104203	44.918	ug/l	99
79) 2-Chlorotoluene	13.124	91	1261158	43.665	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1551159	49.301	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	152348	40.540	ug/l	96
82) 4-Chlorotoluene	13.224	91	1196968	44.350	ug/l	99
83) tert-Butylbenzene	13.442	119	1333156	43.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1499370	51.027	ug/l	100
85) sec-Butylbenzene	13.618	105	1897059	45.234	ug/l	100
86) p-Isopropyltoluene	13.730	119	1499824	46.480	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	722800	44.016	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	713814	44.025	ug/l	99
89) n-Butylbenzene	14.060	91	1201019	48.094	ug/l	99
90) Hexachloroethane	14.336	117	306136	42.943	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	708665	43.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	105566	42.884	ug/l	98
93) 1,2,4-Trichlorobenzene	15.365	180	230456	45.636	ug/l	98
94) Hexachlorobutadiene	15.465	225	133592	40.591	ug/l	96
95) Naphthalene	15.589	128	925364	47.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.759	180	211838	45.055	ug/l	98

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

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