

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072584.D
 Acq On : 24 May 2022 13:27
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 24 14:56:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 24 14:54:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	170691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	264912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	242791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	95044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	18881	7.431	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	14.860%#		
35) Dibromofluoromethane	8.016	113	15831	8.940	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	17.880%#		
50) Toluene-d8	10.439	98	61276	9.112	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	18.220%#		
62) 4-Bromofluorobenzene	12.727	95	18820	7.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	15.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	16086	8.310	ug/l	95
3) Chloromethane	2.293	50	19926	10.815	ug/l	98
4) Vinyl Chloride	2.434	62	16228	10.769	ug/l	92
5) Bromomethane	2.810	94	8973	6.821	ug/l	94
6) Chloroethane	2.993	64	10447	6.424	ug/l	97
7) Trichlorofluoromethane	3.351	101	27851	8.366	ug/l	99
8) Diethyl Ether	3.822	74	10627	10.330	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.204	101	16182	9.930	ug/l	99
10) Methyl Iodide	4.416	142	18420	8.887	ug/l	98
11) Tert butyl alcohol	5.363	59	17473	65.433	ug/l	95
12) 1,1-Dichloroethene	4.175	96	14544	10.088	ug/l	96
13) Acrolein	4.040	56	10633	32.986	ug/l	96
14) Allyl chloride	4.828	41	27405	11.214	ug/l	90
15) Acrylonitrile	5.545	53	58627	59.557	ug/l	99
16) Acetone	4.275	43	46729	55.651	ug/l	96
17) Carbon Disulfide	4.522	76	37041	9.995	ug/l	99
18) Methyl Acetate	4.851	43	28593	11.237	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	53389	9.279	ug/l	96
20) Methylene Chloride	5.087	84	20459	10.471	ug/l	97
21) trans-1,2-Dichloroethene	5.587	96	16530	10.408	ug/l	93
22) Diisopropyl ether	6.487	45	60540	11.219	ug/l	97
23) Vinyl Acetate	6.422	43	255723	55.006	ug/l	95
24) 1,1-Dichloroethane	6.375	63	32744	10.150	ug/l	97
25) 2-Butanone	7.328	43	77628	58.161	ug/l	93
26) 2,2-Dichloropropane	7.322	77	24379	8.359	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	20572	10.379	ug/l	97
28) Bromochloromethane	7.657	49	13886	10.631	ug/l	95
29) Tetrahydrofuran	7.681	42	51491	63.782	ug/l	92
30) Chloroform	7.810	83	33663	9.223	ug/l	99
31) Cyclohexane	8.086	56	31224	10.342	ug/l #	93
32) 1,1,1-Trichloroethane	8.004	97	28063	8.478	ug/l	97
36) 1,1-Dichloropropene	8.216	75	24603	10.015	ug/l	97
37) Ethyl Acetate	7.404	43	32622	11.639	ug/l	97
38) Carbon Tetrachloride	8.198	117	26242	8.762	ug/l	94
39) Methylcyclohexane	9.451	83	29000	9.904	ug/l	96
40) Benzene	8.451	78	78185	10.708	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	16590	12.194	ug/l #	83
42) 1,2-Dichloroethane	8.522	62	25910	7.961	ug/l	99
43) Isopropyl Acetate	8.557	43	44891	10.179	ug/l	99
44) Trichloroethene	9.210	130	19771	9.941	ug/l	96
45) 1,2-Dichloropropane	9.480	63	20227	11.094	ug/l	96
46) Dibromomethane	9.569	93	13265	9.824	ug/l	97
47) Bromodichloromethane	9.757	83	26370	9.522	ug/l #	99
48) Methyl methacrylate	9.557	41	21614	10.269	ug/l	97
49) 1,4-Dioxane	9.563	88	8674	379.426	ug/l	98
51) 4-Methyl-2-Pentanone	10.322	43	160070	55.202	ug/l	96
52) Toluene	10.498	92	50588	10.817	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	27547	9.331	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	30083	10.138	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	20594	10.137	ug/l	92
56) Ethyl methacrylate	10.757	69	32130	10.596	ug/l	97
57) 1,3-Dichloropropane	11.039	76	35373	10.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.039	63	67542	80.403	ug/l	96
59) 2-Hexanone	11.080	43	111870	55.370	ug/l	96
60) Dibromochloromethane	11.233	129	21536	9.371	ug/l	98
61) 1,2-Dibromoethane	11.339	107	20974	9.974	ug/l	95
64) Tetrachloroethene	10.975	164	18581	10.717	ug/l	96
65) Chlorobenzene	11.763	112	54212	10.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	20785	10.232	ug/l	99
67) Ethyl Benzene	11.839	91	92013	10.481	ug/l	99
68) m/p-Xylenes	11.945	106	72761	21.626	ug/l	97
69) o-Xylene	12.274	106	34454	10.077	ug/l	99
70) Styrene	12.292	104	54806	10.409	ug/l	98
71) Bromoform	12.451	173	16898	10.675	ug/l #	100
73) Isopropylbenzene	12.574	105	89855	11.285	ug/l	100
74) N-amyl acetate	12.386	43	32094	11.714	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	31902	12.757	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	29932m	10.721	ug/l	
77) Bromobenzene	12.857	156	21485	10.432	ug/l	97
78) n-propylbenzene	12.916	91	98197	11.254	ug/l	99
79) 2-Chlorotoluene	13.004	91	60481	10.527	ug/l	98
80) 1,3,5-Trimethylbenzene	13.051	105	69840	10.330	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.616	75	8882	12.133	ug/l	97
82) 4-Chlorotoluene	13.098	91	55701	10.375	ug/l	97
83) tert-Butylbenzene	13.316	119	65676	11.126	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	68433	10.387	ug/l	99
85) sec-Butylbenzene	13.498	105	86789	11.267	ug/l	100
86) p-Isopropyltoluene	13.610	119	67409	10.710	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	35992	10.685	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	34269	10.493	ug/l	93
89) n-Butylbenzene	13.933	91	50065	10.489	ug/l	99
90) Hexachloroethane	14.204	117	12854	11.426	ug/l	93
91) 1,2-Dichlorobenzene	13.980	146	34710	10.377	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.604	75	5235	10.481	ug/l	91
93) 1,2,4-Trichlorobenzene	15.257	180	18702	12.525	ug/l	100
94) Hexachlorobutadiene	15.362	225	10908	11.758	ug/l	95
95) Naphthalene	15.498	128	59958	13.474	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	19585	12.659	ug/l	100

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

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