

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072822\
 Data File : VN073625.D
 Acq On : 28 Jul 2022 17:58
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072822

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2022
 Supervised By : Mahesh Dadoda 07/29/2022

Quant Time: Jul 29 02:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	454309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	695064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	641098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	323119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	272080	49.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.280%		
35) Dibromofluoromethane	7.951	113	237507	54.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.840%		
50) Toluene-d8	10.380	98	958842	55.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	111.660%		
62) 4-Bromofluorobenzene	12.668	95	318519	54.548	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	207161	47.013	ug/l	100
3) Chloromethane	2.263	50	261955	49.434	ug/l	96
4) Vinyl Chloride	2.404	62	332379	43.129	ug/l	98
5) Bromomethane	2.787	94	207446	46.413	ug/l	100
6) Chloroethane	2.951	64	211722	46.973	ug/l	99
7) Trichlorofluoromethane	3.304	101	389674	49.062	ug/l	99
8) Diethyl Ether	3.763	74	139324	46.717	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.134	101	209671	47.714	ug/l	98
10) Methyl Iodide	4.345	142	227834	51.000	ug/l	99
11) Tert butyl alcohol	5.287	59	286663	240.081	ug/l	100
12) 1,1-Dichloroethene	4.110	96	196911	45.683	ug/l	92
13) Acrolein	3.975	56	285503	241.186	ug/l	98
14) Allyl chloride	4.757	41	310481	45.054	ug/l	98
15) Acrylonitrile	5.469	53	753245	228.056	ug/l	100
16) Acetone	4.216	43	666757	224.218	ug/l	97
17) Carbon Disulfide	4.457	76	518612	45.377	ug/l	100
18) Methyl Acetate	4.775	43	323546	43.733	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	713324	48.442	ug/l	98
20) Methylene Chloride	5.010	84	235985	49.011	ug/l	98
21) trans-1,2-Dichloroethene	5.510	96	221529	47.478	ug/l	90
22) Diisopropyl ether	6.410	45	676301	45.488	ug/l	99
23) Vinyl Acetate	6.345	43	3013592	241.762	ug/l	98
24) 1,1-Dichloroethane	6.298	63	400161	43.750	ug/l	98
25) 2-Butanone	7.257	43	1055770	228.617	ug/l	99
26) 2,2-Dichloropropane	7.245	77	343395	48.798	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	266188	46.303	ug/l	95
28) Bromochloromethane	7.581	49	183880	47.880	ug/l	98
29) Tetrahydrofuran	7.604	42	658647	225.581	ug/l	97
30) Chloroform	7.745	83	429363	45.055	ug/l	99
31) Cyclohexane	8.016	56	359369	43.599	ug/l	97
32) 1,1,1-Trichloroethane	7.945	97	368096	46.520	ug/l	97
36) 1,1-Dichloropropene	8.151	75	307872	49.493	ug/l	98
37) Ethyl Acetate	7.334	43	395545	48.283	ug/l	99
38) Carbon Tetrachloride	8.133	117	317120	50.194	ug/l	98
39) Methylcyclohexane	9.392	83	409161	55.043	ug/l	96
40) Benzene	8.386	78	970551	48.047	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	171507	46.265	ug/l	95
42) 1,2-Dichloroethane	8.463	62	314534	46.202	ug/l	98
43) Isopropyl Acetate	8.492	43	564463	51.013	ug/l	99
44) Trichloroethene	9.151	130	258413	50.447	ug/l	100
45) 1,2-Dichloropropane	9.428	63	237182	46.976	ug/l	98
46) Dibromomethane	9.516	93	170114	48.545	ug/l	98
47) Bromodichloromethane	9.698	83	330761	49.179	ug/l	97
48) Methyl methacrylate	9.498	41	247494	51.098	ug/l	92
49) 1,4-Dioxane	9.504	88	140277	1027.423	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	1978250	249.264	ug/l	100
52) Toluene	10.445	92	631566	51.187	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	358982	54.028	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	396107	52.903	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	255470	49.653	ug/l	99
56) Ethyl methacrylate	10.704	69	402222	56.720	ug/l	98
57) 1,3-Dichloropropane	10.986	76	423211	48.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	859108	229.775	ug/l	99
59) 2-Hexanone	11.027	43	1560306	259.493	ug/l	100
60) Dibromochloromethane	11.180	129	274845	53.695	ug/l	99
61) 1,2-Dibromoethane	11.286	107	269661	50.888	ug/l	99
64) Tetrachloroethene	10.916	164	254741	49.998	ug/l	98
65) Chlorobenzene	11.710	112	686326	50.401	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	251952	51.584	ug/l	99
67) Ethyl Benzene	11.786	91	1223694	53.266	ug/l	99
68) m/p-Xylenes	11.892	106	960420	109.612	ug/l	100
69) o-Xylene	12.221	106	474203	55.512	ug/l	98
70) Styrene	12.233	104	779322	56.991	ug/l	98
71) Bromoform	12.398	173	223848	55.525	ug/l #	99
73) Isopropylbenzene	12.521	105	1226028	51.833	ug/l	99
74) N-amyl acetate	12.333	43	467133	52.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	400015	43.826	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	300498m	50.819	ug/l	
77) Bromobenzene	12.798	156	310192	50.359	ug/l	94
78) n-propylbenzene	12.863	91	1410776	53.008	ug/l	100
79) 2-Chlorotoluene	12.945	91	821596	49.462	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	1022525	52.531	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.568	75	129501	51.939	ug/l	99
82) 4-Chlorotoluene	13.045	91	805162	51.144	ug/l	96
83) tert-Butylbenzene	13.263	119	934271	54.188	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	1031840	53.910	ug/l	99
85) sec-Butylbenzene	13.439	105	1290367	54.150	ug/l	98
86) p-Isopropyltoluene	13.557	119	1088644	57.952	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	560213	49.826	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	554577	49.298	ug/l	98
89) n-Butylbenzene	13.886	91	876957	57.375	ug/l	100
90) Hexachloroethane	14.151	117	188143	50.480	ug/l	96
91) 1,2-Dichlorobenzene	13.927	146	557883	48.966	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	91834	50.076	ug/l	93
93) 1,2,4-Trichlorobenzene	15.198	180	336509	59.476	ug/l	99
94) Hexachlorobutadiene	15.304	225	163656	53.206	ug/l	98
95) Naphthalene	15.439	128	1101169	59.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	347671	58.385	ug/l	99

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

