

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073462.D
 Acq On : 14 Jul 2022 15:49
 Operator : JC\MD
 Sample : VN0714WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/15/2022
 Supervised By : Mahesh Dadoda 07/15/2022

Quant Time: Jul 15 02:01:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	199252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	340865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.681	117	312216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	147395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	156581	54.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.880%			
35) Dibromofluoromethane	7.951	113	121995	53.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.580%			
50) Toluene-d8	10.381	98	402288	49.945	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.669	95	162666	52.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	50012	17.168	ug/l	98
3) Chloromethane	2.263	50	47979	16.965	ug/l	97
4) Vinyl Chloride	2.405	62	40829	16.991	ug/l	94
5) Bromomethane	2.799	94	23823	20.990	ug/l	87
6) Chloroethane	2.963	64	28084	19.867	ug/l	99
7) Trichlorofluoromethane	3.310	101	74458	17.923	ug/l	92
8) Diethyl Ether	3.763	74	35303	20.875	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.146	101	46883	19.099	ug/l	98
10) Methyl Iodide	4.340	142	44925	16.406	ug/l	94
11) Tert butyl alcohol	5.299	59	82324	118.146	ug/l #	86
12) 1,1-Dichloroethene	4.116	96	42372	18.065	ug/l	92
13) Acrolein	3.987	56	22165	50.327	ug/l	93
14) Allyl chloride	4.757	41	98179	19.869	ug/l #	91
15) Acrylonitrile	5.475	53	217162	121.066	ug/l	99
16) Acetone	4.222	43	196914	121.960	ug/l	98
17) Carbon Disulfide	4.452	76	92561	15.219	ug/l	96
18) Methyl Acetate	4.775	43	117772	26.029	ug/l	91
19) Methyl tert-butyl Ether	5.528	73	184365	21.566	ug/l	98
20) Methylene Chloride	5.010	84	54996	19.382	ug/l	91
21) trans-1,2-Dichloroethene	5.510	96	46062	18.794	ug/l	94
22) Diisopropyl ether	6.410	45	208459	22.608	ug/l #	96
23) Vinyl Acetate	6.351	43	895442	108.467	ug/l #	91
24) 1,1-Dichloroethane	6.298	63	97770	20.490	ug/l	99
25) 2-Butanone	7.263	43	320642	124.735	ug/l #	88
26) 2,2-Dichloropropane	7.245	77	76953	17.437	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	59319	19.986	ug/l	95
28) Bromochloromethane	7.581	49	46662	23.350	ug/l #	81
29) Tetrahydrofuran	7.610	42	213571	121.337	ug/l #	85
30) Chloroform	7.751	83	100938	21.003	ug/l	99
31) Cyclohexane	8.016	56	85725	18.197	ug/l	85
32) 1,1,1-Trichloroethane	7.940	97	83388	19.470	ug/l	98
36) 1,1-Dichloropropene	8.145	75	66003	18.915	ug/l	98
37) Ethyl Acetate	7.334	43	120504	22.855	ug/l	95
38) Carbon Tetrachloride	8.134	117	67456	18.693	ug/l	96
39) Methylcyclohexane	9.392	83	77740	17.894	ug/l	94
40) Benzene	8.387	78	217510	20.198	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	55857	21.844	ug/l	92
42) 1,2-Dichloroethane	8.463	62	85405	21.878	ug/l	99
43) Isopropyl Acetate	8.492	43	173851	22.943	ug/l #	92
44) Trichloroethene	9.151	130	51247	18.700	ug/l	91
45) 1,2-Dichloropropane	9.428	63	59014	21.500	ug/l	92
46) Dibromomethane	9.510	93	40253	21.598	ug/l	88
47) Bromodichloromethane	9.698	83	78140	21.647	ug/l	97
48) Methyl methacrylate	9.498	41	77832	22.184	ug/l	88
49) 1,4-Dioxane	9.504	88	33254	499.273	ug/l #	89
51) 4-Methyl-2-Pentanone	10.269	43	606351	126.182	ug/l	89
52) Toluene	10.439	92	132788	19.952	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	81438	20.494	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	88560	20.643	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	59490	21.713	ug/l	98
56) Ethyl methacrylate	10.698	69	93745	21.168	ug/l #	83
57) 1,3-Dichloropropane	10.981	76	102457	21.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	219508	111.141	ug/l	94
59) 2-Hexanone	11.028	43	459421	125.423	ug/l	88
60) Dibromochloromethane	11.175	129	57215	21.902	ug/l	99
61) 1,2-Dibromoethane	11.286	107	57496	21.009	ug/l	99
64) Tetrachloroethene	10.910	164	46903	18.397	ug/l	95
65) Chlorobenzene	11.710	112	138015	19.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.781	131	53349	20.541	ug/l	96
67) Ethyl Benzene	11.786	91	246578	19.235	ug/l	100
68) m/p-Xylenes	11.892	106	190060	39.285	ug/l	97
69) o-Xylene	12.222	106	96564	19.552	ug/l	99
70) Styrene	12.233	104	153455	20.124	ug/l	98
71) Bromoform	12.398	173	40355	21.234	ug/l #	98
73) Isopropylbenzene	12.516	105	246991	19.405	ug/l	97
74) N-amyl acetate	12.328	43	129004	20.241	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.769	83	91947	21.769	ug/l	100
76) 1,2,3-Trichloropropane	12.822	75	67922m	17.623	ug/l	
77) Bromobenzene	12.798	156	56136	18.969	ug/l	81
78) n-propylbenzene	12.857	91	285244	20.173	ug/l	97
79) 2-Chlorotoluene	12.945	91	177554	19.840	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	207710	20.021	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	28317	20.150	ug/l	91
82) 4-Chlorotoluene	13.045	91	166257	19.189	ug/l	97
83) tert-Butylbenzene	13.263	119	179374	19.286	ug/l	94
84) 1,2,4-Trimethylbenzene	13.310	105	202889	19.588	ug/l	97
85) sec-Butylbenzene	13.439	105	250133	20.028	ug/l	97
86) p-Isopropyltoluene	13.551	119	201753	19.998	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	105007	19.779	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	100846	18.959	ug/l	96
89) n-Butylbenzene	13.880	91	163767	19.480	ug/l	97
90) Hexachloroethane	14.145	117	36635	19.485	ug/l	81
91) 1,2-Dichlorobenzene	13.927	146	106297	19.655	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.539	75	22899	22.306	ug/l	80
93) 1,2,4-Trichlorobenzene	15.192	180	54124	19.221	ug/l	98
94) Hexachlorobutadiene	15.298	225	24357	19.458	ug/l	99
95) Naphthalene	15.433	128	217474	19.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	57440	19.774	ug/l	99

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

