

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072748.D
 Acq On : 09 Jun 2022 23:11
 Operator : JC\MD
 Sample : VN0609WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 01:48:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	148495	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	286809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	281493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	119975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	221347	55.538	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.080%			
35) Dibromofluoromethane	8.016	113	146403	51.588	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.180%			
50) Toluene-d8	10.439	98	568685	50.225	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.727	95	183167	47.143	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	47502	19.720	ug/l	96
3) Chloromethane	2.298	50	52207	19.798	ug/l	99
4) Vinyl Chloride	2.434	62	52828	20.027	ug/l	95
5) Bromomethane	2.840	94	28593	22.522	ug/l	94
6) Chloroethane	3.010	64	39399	23.164	ug/l	93
7) Trichlorofluoromethane	3.363	101	86009	20.486	ug/l	94
8) Diethyl Ether	3.822	74	36298	21.264	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.204	101	45359	19.730	ug/l	88
10) Methyl Iodide	4.416	142	40528	18.906	ug/l	# 86
11) Tert butyl alcohol	5.369	59	98178	103.265	ug/l	99
12) 1,1-Dichloroethene	4.175	96	42755	19.954	ug/l	82
13) Acrolein	4.045	56	38895	99.055	ug/l	98
14) Allyl chloride	4.834	41	97424	19.694	ug/l	# 90
15) Acrylonitrile	5.551	53	214881	106.673	ug/l	98
16) Acetone	4.281	43	209689	109.799	ug/l	93
17) Carbon Disulfide	4.528	76	92385	18.858	ug/l	99
18) Methyl Acetate	4.851	43	107087	21.551	ug/l	# 88
19) Methyl tert-butyl Ether	5.610	73	206291	21.286	ug/l	98
20) Methylene Chloride	5.092	84	57463	20.957	ug/l	# 81
21) trans-1,2-Dichloroethene	5.592	96	46878	19.869	ug/l	93
22) Diisopropyl ether	6.492	45	217400	21.683	ug/l	96
23) Vinyl Acetate	6.428	43	976538	106.384	ug/l	# 93
24) 1,1-Dichloroethane	6.386	63	110513	21.227	ug/l	97
25) 2-Butanone	7.333	43	327482	106.600	ug/l	93
26) 2,2-Dichloropropane	7.328	77	74559	15.838	ug/l	95
27) cis-1,2-Dichloroethene	7.328	96	61556	20.512	ug/l	87
28) Bromochloromethane	7.651	49	54313	22.088	ug/l	# 72
29) Tetrahydrofuran	7.680	42	207048	109.070	ug/l	89
30) Chloroform	7.816	83	116214	21.413	ug/l	91
31) Cyclohexane	8.092	56	91015	21.160	ug/l	87
32) 1,1,1-Trichloroethane	8.010	97	100542	20.964	ug/l	95
36) 1,1-Dichloropropene	8.222	75	75285	19.112	ug/l	94
37) Ethyl Acetate	7.410	43	129433	21.149	ug/l	95
38) Carbon Tetrachloride	8.204	117	82880	19.688	ug/l	98
39) Methylcyclohexane	9.457	83	84766	18.543	ug/l	94
40) Benzene	8.457	78	235384	19.691	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	47704m	23.124	ug/l	
42) 1,2-Dichloroethane	8.527	62	102702	20.722	ug/l	95
43) Isopropyl Acetate	8.557	43	189877	19.922	ug/l #	93
44) Trichloroethene	9.216	130	55556	19.962	ug/l	86
45) 1,2-Dichloropropane	9.486	63	66151	20.479	ug/l	96
46) Dibromomethane	9.574	93	45600	20.194	ug/l #	80
47) Bromodichloromethane	9.757	83	91716	19.758	ug/l	98
48) Methyl methacrylate	9.557	41	81109	17.986	ug/l #	85
49) 1,4-Dioxane	9.563	88	33425	405.496	ug/l #	93
51) 4-Methyl-2-Pentanone	10.327	43	636611	102.561	ug/l	91
52) Toluene	10.504	92	145764	19.530	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	94386	18.304	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	98441	18.476	ug/l #	83
55) 1,1,2-Trichloroethane	10.898	97	63950	19.855	ug/l	96
56) Ethyl methacrylate	10.757	69	108011	18.961	ug/l #	76
57) 1,3-Dichloropropane	11.039	76	111745	19.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	227548	100.229	ug/l	91
59) 2-Hexanone	11.080	43	467076	102.332	ug/l	88
60) Dibromochloromethane	11.233	129	63994	19.143	ug/l	99
61) 1,2-Dibromoethane	11.345	107	62823	19.032	ug/l	99
64) Tetrachloroethene	10.974	164	47071	19.862	ug/l	92
65) Chlorobenzene	11.768	112	145216	19.360	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	60807	20.379	ug/l	99
67) Ethyl Benzene	11.845	91	278979	19.780	ug/l	94
68) m/p-Xylenes	11.951	106	195038	38.912	ug/l	87
69) o-Xylene	12.280	106	100930	20.032	ug/l	89
70) Styrene	12.292	104	154344	19.491	ug/l	94
71) Bromoform	12.457	173	39829	18.977	ug/l #	99
73) Isopropylbenzene	12.574	105	258033	20.051	ug/l	98
74) N-amyl acetate	12.386	43	124167	20.759	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.827	83	96370	21.572	ug/l	97
76) 1,2,3-Trichloropropane	12.880	75	93302m	24.100	ug/l	
77) Bromobenzene	12.857	156	51693	20.376	ug/l	70
78) n-propylbenzene	12.915	91	286331	20.378	ug/l	94
79) 2-Chlorotoluene	13.004	91	180790	20.510	ug/l	90
80) 1,3,5-Trimethylbenzene	13.057	105	209039	20.500	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.621	75	24179	16.333	ug/l #	80
82) 4-Chlorotoluene	13.104	91	162558	19.967	ug/l	93
83) tert-Butylbenzene	13.321	119	185964	20.764	ug/l	90
84) 1,2,4-Trimethylbenzene	13.362	105	202077	20.712	ug/l	94
85) sec-Butylbenzene	13.498	105	249984	20.686	ug/l	96
86) p-Isopropyltoluene	13.615	119	189833	19.970	ug/l	94
87) 1,3-Dichlorobenzene	13.615	146	84068	19.510	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	83958	19.889	ug/l	96
89) n-Butylbenzene	13.939	91	148384	18.527	ug/l	98
90) Hexachloroethane	14.204	117	39280	19.091	ug/l	72
91) 1,2-Dichlorobenzene	13.986	146	87877	20.807	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.604	75	22882	21.205	ug/l	65
93) 1,2,4-Trichlorobenzene	15.262	180	38596	18.997	ug/l	96
94) Hexachlorobutadiene	15.362	225	17843	19.605	ug/l	98
95) Naphthalene	15.503	128	158088	20.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	40784	20.158	ug/l	95

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

