

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050622\
 Data File : VN072350.D
 Acq On : 06 May 2022 13:11
 Operator : JC\MD
 Sample : VN0506WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 09 03:11:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	211368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	349739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	322623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	135135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	168103	51.804	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.600%			
35) Dibromofluoromethane	8.016	113	122754	54.837	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.680%			
50) Toluene-d8	10.439	98	461269	52.440	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.880%			
62) 4-Bromofluorobenzene	12.727	95	156396	53.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	42139	17.678	ug/l	99
3) Chloromethane	2.299	50	43350	15.752	ug/l	92
4) Vinyl Chloride	2.446	62	38758	16.289	ug/l	99
5) Bromomethane	2.840	94	22487	18.323	ug/l	96
6) Chloroethane	3.010	64	21578	14.880	ug/l	96
7) Trichlorofluoromethane	3.375	101	76757	18.465	ug/l	99
8) Diethyl Ether	3.828	74	29285	19.455	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.204	101	44512	20.385	ug/l	96
10) Methyl Iodide	4.416	142	46631	17.593	ug/l #	88
11) Tert butyl alcohol	5.363	59	53277	99.908	ug/l #	86
12) 1,1-Dichloroethene	4.187	96	36690	18.175	ug/l	94
13) Acrolein	4.034	56	24953	46.498	ug/l	99
14) Allyl chloride	4.840	41	71756	17.119	ug/l	95
15) Acrylonitrile	5.551	53	148597	92.342	ug/l	97
16) Acetone	4.287	43	130797	93.491	ug/l	96
17) Carbon Disulfide	4.534	76	74818	16.001	ug/l	97
18) Methyl Acetate	4.851	43	78787	20.121	ug/l	90
19) Methyl tert-butyl Ether	5.610	73	155273	19.622	ug/l	100
20) Methylene Chloride	5.093	84	49706	18.535	ug/l	91
21) trans-1,2-Dichloroethene	5.604	96	38948	17.496	ug/l	96
22) Diisopropyl ether	6.492	45	170262	19.721	ug/l	95
23) Vinyl Acetate	6.428	43	695096	95.863	ug/l	95
24) 1,1-Dichloroethane	6.387	63	91061	18.856	ug/l	99
25) 2-Butanone	7.328	43	204223	91.659	ug/l	91
26) 2,2-Dichloropropane	7.322	77	76117	20.178	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	51404	18.942	ug/l	94
28) Bromochloromethane	7.657	49	43086	19.925	ug/l	83
29) Tetrahydrofuran	7.681	42	137731	94.194	ug/l	89
30) Chloroform	7.816	83	92109	18.996	ug/l	99
31) Cyclohexane	8.092	56	71632	16.521	ug/l	94
32) 1,1,1-Trichloroethane	8.016	97	82377	19.964	ug/l	98
36) 1,1-Dichloropropene	8.216	75	62043	19.041	ug/l	96
37) Ethyl Acetate	7.410	43	86198	19.920	ug/l	96
38) Carbon Tetrachloride	8.204	117	68884	19.739	ug/l	99
39) Methylcyclohexane	9.457	83	66384	18.216	ug/l	95
40) Benzene	8.457	78	194682	19.263	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	37590	17.172	ug/l	94
42) 1,2-Dichloroethane	8.528	62	77382	19.999	ug/l	98
43) Isopropyl Acetate	8.557	43	127252	19.231	ug/l	95
44) Trichloroethene	9.216	130	46817	19.913	ug/l	93
45) 1,2-Dichloropropane	9.486	63	53401	19.554	ug/l	99
46) Dibromomethane	9.575	93	34777	20.328	ug/l	94
47) Bromodichloromethane	9.763	83	75219	20.954	ug/l #	98
48) Methyl methacrylate	9.557	41	60622	21.209	ug/l	92
49) 1,4-Dioxane	9.563	88	21504	428.287	ug/l #	88
51) 4-Methyl-2-Pentanone	10.327	43	413792	101.351	ug/l	93
52) Toluene	10.504	92	122529	20.280	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	74319	20.596	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	79794	20.447	ug/l #	88
55) 1,1,2-Trichloroethane	10.898	97	51437	20.304	ug/l	97
56) Ethyl methacrylate	10.757	69	77814	19.074	ug/l	91
57) 1,3-Dichloropropane	11.039	76	90121	20.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.039	63	88110	86.313	ug/l	94
59) 2-Hexanone	11.080	43	291745	101.422	ug/l	92
60) Dibromochloromethane	11.233	129	56972	21.992	ug/l	99
61) 1,2-Dibromoethane	11.339	107	51011	20.474	ug/l	100
64) Tetrachloroethene	10.969	164	41966	21.610	ug/l	94
65) Chlorobenzene	11.769	112	127771	19.601	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.839	131	52126	21.222	ug/l	99
67) Ethyl Benzene	11.839	91	227269	19.992	ug/l	96
68) m/p-Xylenes	11.951	106	174781	41.403	ug/l	95
69) o-Xylene	12.274	106	86033	21.022	ug/l	95
70) Styrene	12.292	104	135424	21.008	ug/l	98
71) Bromoform	12.451	173	41212	22.559	ug/l #	97
73) Isopropylbenzene	12.574	105	223653	18.739	ug/l	100
74) N-amyl acetate	12.386	43	80104	17.914	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	80492	19.335	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	62202m	20.131	ug/l	
77) Bromobenzene	12.857	156	51297	18.175	ug/l	89
78) n-propylbenzene	12.916	91	245759	18.691	ug/l	99
79) 2-Chlorotoluene	13.004	91	160054	18.533	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	186432	18.756	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	21008	17.975	ug/l	87
82) 4-Chlorotoluene	13.104	91	145853	18.142	ug/l	99
83) tert-Butylbenzene	13.321	119	164849	18.889	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	179985	18.715	ug/l	98
85) sec-Butylbenzene	13.498	105	219087	19.256	ug/l	100
86) p-Isopropyltoluene	13.610	119	173902	19.605	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	92190	20.181	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	87587	19.716	ug/l	96
89) n-Butylbenzene	13.939	91	126554	18.626	ug/l	97
90) Hexachloroethane	14.204	117	34161	17.741	ug/l	87
91) 1,2-Dichlorobenzene	13.986	146	92585	20.563	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	14500	17.566	ug/l	87
93) 1,2,4-Trichlorobenzene	15.262	180	35747	18.763	ug/l	97
94) Hexachlorobutadiene	15.368	225	24328	20.164	ug/l	98
95) Naphthalene	15.504	128	92577	16.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	35013	18.650	ug/l	97

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

