

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041322\
 Data File : VN071973.D
 Acq On : 13 Apr 2022 13:50
 Operator : JC\MD
 Sample : VN0413WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 02:30:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	589255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	902204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	808767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	322397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	300259	44.635	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.260%		
35) Dibromofluoromethane	8.016	113	268110	50.501	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.000%		
50) Toluene-d8	10.439	98	1057032	48.671	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.727	95	340590	48.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	101469	21.660	ug/l	98
3) Chloromethane	2.304	50	107619	18.129	ug/l	94
4) Vinyl Chloride	2.446	62	106594	16.351	ug/l	97
5) Bromomethane	2.857	94	75967	17.926	ug/l	98
6) Chloroethane	3.022	64	66569	14.195	ug/l	96
7) Trichlorofluoromethane	3.375	101	148992	17.964	ug/l	100
8) Diethyl Ether	3.828	74	62232	17.754	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.216	101	90444	17.696	ug/l	95
10) Methyl Iodide	4.422	142	122346	17.124	ug/l	99
11) Tert butyl alcohol	5.363	59	80085	73.359	ug/l	98
12) 1,1-Dichloroethene	4.187	96	87409	17.972	ug/l	90
13) Acrolein	4.046	56	58146	43.683	ug/l	99
14) Allyl chloride	4.846	41	126552	16.031	ug/l	94
15) Acrylonitrile	5.545	53	267073	84.166	ug/l	98
16) Acetone	4.281	43	242774	84.446	ug/l	90
17) Carbon Disulfide	4.534	76	218401	19.571	ug/l	99
18) Methyl Acetate	4.851	43	117475	15.455	ug/l	99
19) Methyl tert-butyl Ether	5.616	73	299423	16.571	ug/l	97
20) Methylene Chloride	5.098	84	104805	17.296	ug/l	96
21) trans-1,2-Dichloroethene	5.593	96	92934	17.406	ug/l	92
22) Diisopropyl ether	6.492	45	284063	16.529	ug/l	97
23) Vinyl Acetate	6.434	43	1167909	85.458	ug/l	99
24) 1,1-Dichloroethane	6.387	63	171884	17.037	ug/l	98
25) 2-Butanone	7.334	43	337682	81.477	ug/l	96
26) 2,2-Dichloropropane	7.322	77	142765	16.472	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	111386	17.012	ug/l	97
28) Bromochloromethane	7.657	49	72865	17.904	ug/l	93
29) Tetrahydrofuran	7.681	42	218419	81.390	ug/l	96
30) Chloroform	7.816	83	181882	17.073	ug/l	98
31) Cyclohexane	8.092	56	164008	17.928	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	153887	16.885	ug/l	97
36) 1,1-Dichloropropene	8.216	75	133241	17.972	ug/l	100
37) Ethyl Acetate	7.410	43	133082	16.400	ug/l	96
38) Carbon Tetrachloride	8.204	117	130084	17.903	ug/l	99
39) Methylcyclohexane	9.457	83	170555	19.326	ug/l	98
40) Benzene	8.457	78	421969	18.018	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	68103	17.140	ug/l	94
42) 1,2-Dichloroethane	8.528	62	135045	16.669	ug/l	97
43) Isopropyl Acetate	8.557	43	207054	15.341	ug/l	97
44) Trichloroethene	9.210	130	109674	18.177	ug/l	98
45) 1,2-Dichloropropane	9.486	63	102956	17.597	ug/l	99
46) Dibromomethane	9.569	93	69031	17.378	ug/l	96
47) Bromodichloromethane	9.757	83	138547	17.718	ug/l	99
48) Methyl methacrylate	9.557	41	95514	17.057	ug/l	93
49) 1,4-Dioxane	9.563	88	41251	300.860	ug/l	97
51) 4-Methyl-2-Pentanone	10.328	43	642995	82.860	ug/l	95
52) Toluene	10.504	92	274378	18.534	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	141400	17.254	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	162269	17.920	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	107999	17.726	ug/l	98
56) Ethyl methacrylate	10.757	69	152472	17.542	ug/l	93
57) 1,3-Dichloropropane	11.039	76	181279	17.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	133506	63.473	ug/l	99
59) 2-Hexanone	11.080	43	457353	83.711	ug/l	95
60) Dibromochloromethane	11.233	129	110732	18.639	ug/l	100
61) 1,2-Dibromoethane	11.345	107	109449	18.249	ug/l	100
64) Tetrachloroethene	10.975	164	99806	18.688	ug/l	99
65) Chlorobenzene	11.763	112	289673	17.887	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	103403	17.695	ug/l	99
67) Ethyl Benzene	11.839	91	492069	17.949	ug/l	99
68) m/p-Xylenes	11.951	106	382122	36.277	ug/l	100
69) o-Xylene	12.274	106	186202	17.810	ug/l	98
70) Styrene	12.292	104	289893	18.300	ug/l	98
71) Bromoform	12.457	173	81748	18.370	ug/l #	99
73) Isopropylbenzene	12.574	105	474788	17.476	ug/l	100
74) N-amyl acetate	12.386	43	120055	15.423	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	157971	17.427	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	134216m	17.971	ug/l	
77) Bromobenzene	12.857	156	115249	16.922	ug/l	97
78) n-propylbenzene	12.916	91	508721	17.801	ug/l	99
79) 2-Chlorotoluene	13.004	91	317014	17.297	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	388636	18.055	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	38599	16.016	ug/l	97
82) 4-Chlorotoluene	13.104	91	294283	17.323	ug/l	98
83) tert-Butylbenzene	13.321	119	343517	17.458	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	378957	18.044	ug/l	98
85) sec-Butylbenzene	13.498	105	458069	17.959	ug/l	100
86) p-Isopropyltoluene	13.610	119	371538	18.269	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	187619	17.292	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	184950	17.472	ug/l	99
89) n-Butylbenzene	13.939	91	255573	16.943	ug/l	98
90) Hexachloroethane	14.204	117	66892	17.968	ug/l	99
91) 1,2-Dichlorobenzene	13.986	146	187169	17.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	24002	17.071	ug/l	96
93) 1,2,4-Trichlorobenzene	15.257	180	81020	17.218	ug/l	97
94) Hexachlorobutadiene	15.362	225	56388	17.949	ug/l	97
95) Naphthalene	15.504	128	196569	16.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	81721	18.062	ug/l	99

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

