

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074502.D
 Acq On : 16 Sep 2022 11:55
 Operator : JC\MD
 Sample : VN0916WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 16 16:14:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	254756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	495232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.687	117	425278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	186600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221880	51.331	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	7.951	113	165719	50.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	10.381	98	632219	49.692	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.675	95	207714	47.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	48639	17.543	ug/l	97
3) Chloromethane	2.269	50	99866	21.562	ug/l	91
4) Vinyl Chloride	2.411	62	106073	21.254	ug/l	96
5) Bromomethane	2.805	94	68132	25.887	ug/l	98
6) Chloroethane	2.964	64	89381	26.219	ug/l	96
7) Trichlorofluoromethane	3.322	101	101434	18.405	ug/l	98
8) Diethyl Ether	3.769	74	54725	19.472	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.146	101	63992	18.768	ug/l	85
10) Methyl Iodide	4.352	142	78114	19.420	ug/l	94
11) Tert butyl alcohol	5.275	59	124192	88.199	ug/l	98
12) 1,1-Dichloroethene	4.105	96	61109	18.631	ug/l	95
13) Acrolein	3.981	56	52731	102.546	ug/l	100
14) Allyl chloride	4.763	41	156566	19.542	ug/l #	94
15) Acrylonitrile	5.469	53	328162	103.736	ug/l	98
16) Acetone	4.216	43	270981	97.969	ug/l	94
17) Carbon Disulfide	4.458	76	158996	17.281	ug/l	97
18) Methyl Acetate	4.775	43	172951	20.131	ug/l #	87
19) Methyl tert-butyl Ether	5.522	73	275225	19.463	ug/l	96
20) Methylene Chloride	5.011	84	86638	20.535	ug/l	83
21) trans-1,2-Dichloroethene	5.510	96	66541	18.330	ug/l	95
22) Diisopropyl ether	6.405	45	324991	20.201	ug/l	96
23) Vinyl Acetate	6.346	43	1496864	105.491	ug/l #	92
24) 1,1-Dichloroethane	6.299	63	152687	18.987	ug/l	98
25) 2-Butanone	7.252	43	478469	104.187	ug/l #	87
26) 2,2-Dichloropropane	7.246	77	117541	16.954	ug/l	99
27) cis-1,2-Dichloroethene	7.246	96	83907	17.788	ug/l	90
28) Bromochloromethane	7.581	49	48441	20.440	ug/l #	65
29) Tetrahydrofuran	7.604	42	307768	101.929	ug/l #	86
30) Chloroform	7.740	83	142369	19.181	ug/l	92
31) Cyclohexane	8.016	56	144556	18.841	ug/l	89
32) 1,1,1-Trichloroethane	7.940	97	113367	17.415	ug/l	93
36) 1,1-Dichloropropene	8.151	75	100415	17.245	ug/l	97
37) Ethyl Acetate	7.328	43	184418	20.508	ug/l #	94
38) Carbon Tetrachloride	8.128	117	94079	17.499	ug/l #	96
39) Methylcyclohexane	9.393	83	124260	17.946	ug/l	90
40) Benzene	8.387	78	344359	19.125	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	79286	18.237	ug/l	94
42) 1,2-Dichloroethane	8.457	62	117590	19.030	ug/l	99
43) Isopropyl Acetate	8.493	43	286315	20.326	ug/l #	92
44) Trichloroethene	9.151	130	68106	17.480	ug/l	77
45) 1,2-Dichloropropane	9.428	63	98553	19.916	ug/l #	88
46) Dibromomethane	9.510	93	58403	18.844	ug/l #	83
47) Bromodichloromethane	9.698	83	114815	18.896	ug/l	99
48) Methyl methacrylate	9.498	41	120408	19.278	ug/l	85
49) 1,4-Dioxane	9.504	88	41083	342.130	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	961942	104.577	ug/l	89
52) Toluene	10.445	92	205588	19.471	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	132510	18.711	ug/l	95
54) cis-1,3-Dichloropropene	10.128	75	141627	18.688	ug/l #	88
55) 1,1,2-Trichloroethane	10.834	97	88314	19.746	ug/l	95
56) Ethyl methacrylate	10.698	69	152624	19.104	ug/l #	78
57) 1,3-Dichloropropane	10.987	76	158994	20.276	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.981	63	368307	104.752	ug/l	89
59) 2-Hexanone	11.022	43	729814	103.933	ug/l	87
60) Dibromochloromethane	11.181	129	80212	18.734	ug/l	99
61) 1,2-Dibromoethane	11.287	107	81261	18.703	ug/l	97
64) Tetrachloroethene	10.916	164	52646	18.038	ug/l	92
65) Chlorobenzene	11.710	112	201664	18.889	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.781	131	72678	18.736	ug/l	99
67) Ethyl Benzene	11.787	91	382432	19.510	ug/l	99
68) m/p-Xylenes	11.892	106	279151	38.518	ug/l	95
69) o-Xylene	12.222	106	146907	19.881	ug/l	99
70) Styrene	12.234	104	233595	19.004	ug/l	99
71) Bromoform	12.398	173	53097	18.624	ug/l #	98
73) Isopropylbenzene	12.522	105	358049	18.740	ug/l	99
74) N-amyl acetate	12.328	43	239893	20.081	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.769	83	145432	18.994	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	111670m	19.442	ug/l	
77) Bromobenzene	12.798	156	76600	18.768	ug/l	71
78) n-propylbenzene	12.863	91	420782	18.491	ug/l	94
79) 2-Chlorotoluene	12.945	91	250821	18.464	ug/l	94
80) 1,3,5-Trimethylbenzene	13.004	105	297426	19.096	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	47851	17.981	ug/l	94
82) 4-Chlorotoluene	13.045	91	239402	18.541	ug/l	95
83) tert-Butylbenzene	13.263	119	261351	18.438	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	285545	18.218	ug/l	99
85) sec-Butylbenzene	13.445	105	361428	18.570	ug/l	97
86) p-Isopropyltoluene	13.557	119	286934	18.910	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	138896	18.519	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	139579	18.517	ug/l	98
89) n-Butylbenzene	13.886	91	253801	18.557	ug/l	94
90) Hexachloroethane	14.151	117	55650	16.856	ug/l	79
91) 1,2-Dichlorobenzene	13.933	146	142246	18.281	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.551	75	30539	18.063	ug/l	79
93) 1,2,4-Trichlorobenzene	15.204	180	65691	17.721	ug/l	92
94) Hexachlorobutadiene	15.304	225	27579	16.928	ug/l	99
95) Naphthalene	15.439	128	285558	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	65516	17.936	ug/l	97

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

