

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072294.D
 Acq On : 02 May 2022 14:23
 Operator : JC\MD
 Sample : VN0502WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 03:11:33 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	221912	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	358581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	325866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	126905	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	181367	53.236	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.480%	
35) Dibromofluoromethane	8.022	113	120229	52.385	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.760%	
50) Toluene-d8	10.439	98	453528	50.289	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.580%	
62) 4-Bromofluorobenzene	12.727	95	160097	53.483	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.960%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.069	85	47363	18.937	ug/l	99
3) Chloromethane	2.299	50	42069	14.498	ug/l	99
4) Vinyl Chloride	2.446	62	38585	15.446	ug/l	99
5) Bromomethane	2.840	94	25491	19.971	ug/l	84
6) Chloroethane	3.010	64	37296	25.604	ug/l	92
7) Trichlorofluoromethane	3.369	101	86367	19.789	ug/l	97
8) Diethyl Ether	3.828	74	27385	17.328	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.210	101	41676	18.179	ug/l	95
10) Methyl Iodide	4.422	142	48106	17.287	ug/l	# 81
11) Tert butyl alcohol	5.363	59	55416	98.981	ug/l	97
12) 1,1-Dichloroethene	4.187	96	36708	17.319	ug/l	85
13) Acrolein	4.040	56	50522	89.670	ug/l	97
14) Allyl chloride	4.840	41	68242	15.507	ug/l	94
15) Acrylonitrile	5.551	53	139048	82.302	ug/l	99
16) Acetone	4.287	43	124532	84.783	ug/l	97
17) Carbon Disulfide	4.540	76	77867	15.865	ug/l	96
18) Methyl Acetate	4.857	43	66730	16.224	ug/l	94
19) Methyl tert-butyl Ether	5.610	73	164737	19.829	ug/l	99
20) Methylene Chloride	5.087	84	46360	16.466	ug/l	93
21) trans-1,2-Dichloroethene	5.598	96	39451	16.880	ug/l	95
22) Diisopropyl ether	6.493	45	149306	16.472	ug/l	94
23) Vinyl Acetate	6.428	43	643104	84.478	ug/l	95
24) 1,1-Dichloroethane	6.387	63	87827	17.322	ug/l	98
25) 2-Butanone	7.334	43	185189	79.167	ug/l	93
26) 2,2-Dichloropropane	7.316	77	81758	20.643	ug/l	95
27) cis-1,2-Dichloroethene	7.322	96	47981	16.840	ug/l	84
28) Bromochloromethane	7.651	49	41143	18.122	ug/l	87
29) Tetrahydrofuran	7.687	42	118271	77.042	ug/l	96
30) Chloroform	7.816	83	95202	18.701	ug/l	94
31) Cyclohexane	8.098	56	72982	16.033	ug/l	93
32) 1,1,1-Trichloroethane	8.016	97	88909	20.523	ug/l	99
36) 1,1-Dichloropropene	8.222	75	63241	18.930	ug/l	95
37) Ethyl Acetate	7.410	43	77645	17.501	ug/l	96
38) Carbon Tetrachloride	8.204	117	76309	21.327	ug/l	99
39) Methylcyclohexane	9.457	83	67172	17.978	ug/l	91
40) Benzene	8.457	78	184572	17.812	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	39043	17.396	ug/l	90
42) 1,2-Dichloroethane	8.528	62	83395	21.022	ug/l	94
43) Isopropyl Acetate	8.557	43	118441	17.532	ug/l	97
44) Trichloroethene	9.210	130	44146	18.314	ug/l	91
45) 1,2-Dichloropropane	9.486	63	49951	17.840	ug/l	93
46) Dibromomethane	9.569	93	34723	19.796	ug/l	89
47) Bromodichloromethane	9.757	83	73621	20.003	ug/l	93
48) Methyl methacrylate	9.557	41	56714	19.353	ug/l	91
49) 1,4-Dioxane	9.563	88	20920	406.381	ug/l #	91
51) 4-Methyl-2-Pentanone	10.328	43	374312	89.420	ug/l	96
52) Toluene	10.504	92	119679	19.320	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	77722	21.008	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	82105	20.521	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	49437	19.033	ug/l	95
56) Ethyl methacrylate	10.757	69	78504	18.807	ug/l #	90
57) 1,3-Dichloropropane	11.039	76	86760	19.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	90982	86.802	ug/l	96
59) 2-Hexanone	11.080	43	265177	89.913	ug/l	95
60) Dibromochloromethane	11.233	129	54967	20.695	ug/l	99
61) 1,2-Dibromoethane	11.345	107	50888	19.921	ug/l	97
64) Tetrachloroethene	10.975	164	38094	19.421	ug/l	94
65) Chlorobenzene	11.769	112	124255	18.872	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	51563	20.783	ug/l	96
67) Ethyl Benzene	11.839	91	230802	20.100	ug/l	96
68) m/p-Xylenes	11.951	106	169793	39.821	ug/l	88
69) o-Xylene	12.275	106	85607	20.710	ug/l	90
70) Styrene	12.292	104	133365	20.483	ug/l	93
71) Bromoform	12.457	173	37981	20.584	ug/l #	96
73) Isopropylbenzene	12.575	105	227806	20.325	ug/l	96
74) N-amyl acetate	12.380	43	72725	17.319	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.822	83	74732	19.099	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	71449m	24.988	ug/l	
77) Bromobenzene	12.857	156	49961	18.849	ug/l	87
78) n-propylbenzene	12.916	91	237793	19.258	ug/l	97
79) 2-Chlorotoluene	13.004	91	157490	19.418	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	192586	20.632	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.622	75	20405	18.592	ug/l	90
82) 4-Chlorotoluene	13.098	91	148763	19.704	ug/l	92
83) tert-Butylbenzene	13.322	119	168109	20.512	ug/l	90
84) 1,2,4-Trimethylbenzene	13.363	105	192767	21.344	ug/l	92
85) sec-Butylbenzene	13.498	105	216921	20.302	ug/l	97
86) p-Isopropyltoluene	13.610	119	177210	21.273	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	81626	19.027	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	78025	18.703	ug/l	94
89) n-Butylbenzene	13.939	91	123769	19.398	ug/l	96
90) Hexachloroethane	14.204	117	34449	19.050	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	82496	19.511	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	15150	19.544	ug/l	74
93) 1,2,4-Trichlorobenzene	15.263	180	33036	18.503	ug/l	95
94) Hexachlorobutadiene	15.368	225	23723	20.938	ug/l	98
95) Naphthalene	15.504	128	98047	17.933	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	34540	19.456	ug/l	98

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

