

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
 Data File : VN071235.D
 Acq On : 10 Mar 2022 17:22
 Operator : JC\MD
 Sample : VN0310WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 11 02:12:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	733184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1188853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1026615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	410753	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	487493	48.514	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.016	113	367538	48.991	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.980%
50) Toluene-d8	10.439	98	1452652	48.092	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.727	95	463503	45.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.640%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	125931	15.672	ug/l	100
3) Chloromethane	2.299	50	183731	17.009	ug/l	98
4) Vinyl Chloride	2.440	62	160684	16.317	ug/l	98
5) Bromomethane	2.846	94	92081	16.996	ug/l	98
6) Chloroethane	3.016	64	103776	17.401	ug/l	92
7) Trichlorofluoromethane	3.369	101	213499	16.472	ug/l	95
8) Diethyl Ether	3.822	74	90380	16.295	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	122796	16.365	ug/l	94
10) Methyl Iodide	4.422	142	153914	14.523	ug/l	98
11) Tert butyl alcohol	5.357	59	159949	81.028	ug/l	99
12) 1,1-Dichloroethene	4.181	96	120310	16.368	ug/l	98
13) Acrolein	4.034	56	108006	51.693	ug/l	99
14) Allyl chloride	4.840	41	262687	16.431	ug/l #	84
15) Acrylonitrile	5.551	53	474302	80.919	ug/l	98
16) Acetone	4.281	43	413564	84.585	ug/l	100
17) Carbon Disulfide	4.528	76	314428	15.026	ug/l	99
18) Methyl Acetate	4.852	43	263646	20.359	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	473612	17.161	ug/l	95
20) Methylene Chloride	5.093	84	151268	17.180	ug/l	93
21) trans-1,2-Dichloroethene	5.599	96	128306	15.959	ug/l	87
22) Diisopropyl ether	6.493	45	530249	16.835	ug/l	93
23) Vinyl Acetate	6.428	43	2289380	85.861	ug/l	97
24) 1,1-Dichloroethane	6.381	63	277379	16.667	ug/l	98
25) 2-Butanone	7.328	43	663407	84.230	ug/l	98
26) 2,2-Dichloropropane	7.322	77	229360	17.864	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	156081	16.357	ug/l	89
28) Bromochloromethane	7.657	49	110583	14.921	ug/l	85
29) Tetrahydrofuran	7.681	42	458820	84.089	ug/l	92
30) Chloroform	7.816	83	263157	16.578	ug/l	98
31) Cyclohexane	8.092	56	262984	16.389	ug/l	92
32) 1,1,1-Trichloroethane	8.010	97	227176	16.801	ug/l	97
36) 1,1-Dichloropropene	8.216	75	195945	16.302	ug/l	97
37) Ethyl Acetate	7.404	43	274900	16.618	ug/l	99
38) Carbon Tetrachloride	8.204	117	193626	16.654	ug/l	100
39) Methylcyclohexane	9.457	83	233708	16.528	ug/l	94
40) Benzene	8.457	78	605117	16.709	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	140476	17.352	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	215427	17.094	ug/l	98
43) Isopropyl Acetate	8.557	43	600068	24.257	ug/l #	85
44) Trichloroethene	9.216	130	145845	17.068	ug/l	98
45) 1,2-Dichloropropane	9.486	63	164147	16.885	ug/l	96
46) Dibromomethane	9.575	93	99410	16.614	ug/l	97
47) Bromodichloromethane	9.757	83	202287	16.729	ug/l	99
48) Methyl methacrylate	9.551	41	194127	16.934	ug/l #	83
49) 1,4-Dioxane	9.563	88	68311	342.810	ug/l	91
51) 4-Methyl-2-Pentanone	10.328	43	1287851	83.886	ug/l	99
52) Toluene	10.498	92	373564	16.751	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	220273	16.525	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	242852	16.674	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	145836	16.320	ug/l	99
56) Ethyl methacrylate	10.757	69	243827	16.708	ug/l	92
57) 1,3-Dichloropropane	11.039	76	268275	16.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	2972	28.727	ug/l #	88
59) 2-Hexanone	11.081	43	927642	88.557	ug/l	99
60) Dibromochloromethane	11.233	129	150115	16.907	ug/l	100
61) 1,2-Dibromoethane	11.339	107	148023	16.207	ug/l	100
64) Tetrachloroethene	10.975	164	122978	17.176	ug/l	98
65) Chlorobenzene	11.769	112	375672	17.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	140819	17.419	ug/l	97
67) Ethyl Benzene	11.839	91	678308	17.401	ug/l	96
68) m/p-Xylenes	11.951	106	515291	36.134	ug/l	98
69) o-Xylene	12.275	106	256785	17.963	ug/l	99
70) Styrene	12.286	104	396133	17.902	ug/l	97
71) Bromoform	12.451	173	107229	17.466	ug/l #	99
73) Isopropylbenzene	12.575	105	649075	16.392	ug/l	99
74) N-amyl acetate	12.380	43	264141	17.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	229289	17.839	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	224759m	20.936	ug/l	
77) Bromobenzene	12.857	156	150534	16.304	ug/l	81
78) n-propylbenzene	12.916	91	707628	16.654	ug/l	97
79) 2-Chlorotoluene	13.004	91	445967	16.351	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	520756	16.905	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	66380	17.470	ug/l	93
82) 4-Chlorotoluene	13.098	91	421810	17.362	ug/l	94
83) tert-Butylbenzene	13.322	119	466587	16.972	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	518600	17.575	ug/l	99
85) sec-Butylbenzene	13.498	105	615248	16.837	ug/l	99
86) p-Isopropyltoluene	13.610	119	501369	17.447	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	256214	17.078	ug/l	97
88) 1,4-Dichlorobenzene	13.686	146	246766	16.827	ug/l	98
89) n-Butylbenzene	13.939	91	383242	17.051	ug/l	96
90) Hexachloroethane	14.204	117	87053	15.233	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	250111	17.341	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	42515	18.454	ug/l	82
93) 1,2,4-Trichlorobenzene	15.257	180	107555	18.012	ug/l	98
94) Hexachlorobutadiene	15.368	225	69808	17.241	ug/l	97
95) Naphthalene	15.504	128	293324	19.066	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	102582	17.770	ug/l	98

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

