

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075839.D
 Acq On : 16 Dec 2022 11:49
 Operator : JC\MD
 Sample : VN1216WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 08:37:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	292362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	472742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	427446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	169809	53.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.780%			
35) Dibromofluoromethane	8.171	113	151601	51.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.560%			
50) Toluene-d8	10.571	98	567638	51.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.853	95	188964	52.122	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	37659	18.141	ug/l	100
3) Chloromethane	2.377	50	45988	17.816	ug/l	93
4) Vinyl Chloride	2.530	62	56050	18.203	ug/l	100
5) Bromomethane	2.965	94	47386	18.108	ug/l	93
6) Chloroethane	3.130	64	42891	18.810	ug/l	94
7) Trichlorofluoromethane	3.512	101	86830	18.584	ug/l	100
8) Diethyl Ether	3.977	74	35174	20.612	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.395	101	50665	18.990	ug/l	99
10) Methyl Iodide	4.606	142	79482	18.357	ug/l	99
11) Tert butyl alcohol	5.536	59	43778	97.273	ug/l	100
12) 1,1-Dichloroethene	4.359	96	48189	18.597	ug/l	95
13) Acrolein	4.200	56	70528	127.825	ug/l	97
14) Allyl chloride	5.042	41	63168	20.854	ug/l	99
15) Acrylonitrile	5.736	53	126869	103.299	ug/l	98
16) Acetone	4.442	43	104144	94.985	ug/l	96
17) Carbon Disulfide	4.724	76	112599	17.948	ug/l	100
18) Methyl Acetate	5.042	43	64645	19.946	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	175514	20.569	ug/l	96
20) Methylene Chloride	5.289	84	59325	19.840	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	52110	18.363	ug/l	95
22) Diisopropyl ether	6.683	45	152064	20.665	ug/l	98
23) Vinyl Acetate	6.618	43	514787	103.940	ug/l	99
24) 1,1-Dichloroethane	6.583	63	93809	19.116	ug/l	98
25) 2-Butanone	7.494	43	156147	101.712	ug/l	96
26) 2,2-Dichloropropane	7.500	77	79275	19.075	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	64046	18.871	ug/l	95
28) Bromochloromethane	7.824	49	43077	20.027	ug/l	95
29) Tetrahydrofuran	7.847	42	102415	106.453	ug/l	98
30) Chloroform	7.971	83	106803	19.330	ug/l	99
31) Cyclohexane	8.265	56	82143	18.033	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	92765	18.937	ug/l	97
36) 1,1-Dichloropropene	8.377	75	73342	18.859	ug/l	98
37) Ethyl Acetate	7.571	43	65380	20.929	ug/l	96
38) Carbon Tetrachloride	8.371	117	83733	19.237	ug/l	93
39) Methylcyclohexane	9.606	83	94980	20.244	ug/l	93
40) Benzene	8.612	78	233130	19.429	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	33368	20.550	ug/l	94
42) 1,2-Dichloroethane	8.677	62	79601	19.954	ug/l	99
43) Isopropyl Acetate	8.694	43	109049	21.162	ug/l	99
44) Trichloroethene	9.353	130	61887	18.308	ug/l	92
45) 1,2-Dichloropropane	9.624	63	55789	19.106	ug/l	99
46) Dibromomethane	9.712	93	42897	19.807	ug/l	99
47) Bromodichloromethane	9.894	83	83887	19.752	ug/l	99
48) Methyl methacrylate	9.688	41	50402	21.717	ug/l	98
49) 1,4-Dioxane	9.700	88	23408	410.252	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	334925	107.474	ug/l	99
52) Toluene	10.635	92	152439	19.507	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	83256	20.026	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	92513	20.268	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	61408	20.020	ug/l	98
56) Ethyl methacrylate	10.876	69	87201	21.403	ug/l	98
57) 1,3-Dichloropropane	11.165	76	101206	20.115	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	156861	120.927	ug/l	99
59) 2-Hexanone	11.200	43	244341	107.514	ug/l	100
60) Dibromochloromethane	11.365	129	67494	19.786	ug/l	99
61) 1,2-Dibromoethane	11.476	107	61817	19.915	ug/l	98
64) Tetrachloroethene	11.106	164	56597	18.817	ug/l	94
65) Chlorobenzene	11.894	112	167040	19.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	62239	19.153	ug/l	97
67) Ethyl Benzene	11.965	91	294633	19.898	ug/l	98
68) m/p-Xylenes	12.076	106	234900	40.081	ug/l	97
69) o-Xylene	12.400	106	115369	19.892	ug/l	99
70) Styrene	12.418	104	185613	20.128	ug/l	99
71) Bromoform	12.582	173	48177	20.374	ug/l #	99
73) Isopropylbenzene	12.700	105	298578	20.001	ug/l	100
74) N-amyl acetate	12.500	43	91374	20.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	89374	19.367	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	79902m	19.188	ug/l	
77) Bromobenzene	12.982	156	72477	19.184	ug/l	98
78) n-propylbenzene	13.041	91	332324	20.184	ug/l	100
79) 2-Chlorotoluene	13.129	91	204017	19.850	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	252776	20.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	23862	20.627	ug/l	97
82) 4-Chlorotoluene	13.129	91	204017	19.850	ug/l	99
83) tert-Butylbenzene	13.441	119	228735	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	253583	20.459	ug/l	100
85) sec-Butylbenzene	13.623	105	312282	20.539	ug/l	99
86) p-Isopropyltoluene	13.735	119	261887	20.700	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	131222	18.803	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	132698	18.614	ug/l	100
89) n-Butylbenzene	14.065	91	201246	19.635	ug/l	99
90) Hexachloroethane	14.335	117	44542	19.682	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	131921	19.192	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15616	19.070	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	63833	18.757	ug/l	99
94) Hexachlorobutadiene	15.506	225	34123	18.378	ug/l	97
95) Naphthalene	15.647	128	194476	18.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	63799	20.058	ug/l	99

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

