

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075672.D
 Acq On : 09 Dec 2022 17:19
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:09:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	218356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	348937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	319715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129041	55.698	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.400%			
35) Dibromofluoromethane	8.171	113	118284	55.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.120%			
50) Toluene-d8	10.571	98	453056	56.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.340%#			
62) 4-Bromofluorobenzene	12.853	95	153405	56.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	29474	18.353	ug/l	97
3) Chloromethane	2.377	50	36102	18.868	ug/l	99
4) Vinyl Chloride	2.524	62	46314	19.705	ug/l	95
5) Bromomethane	2.930	94	41340	20.651	ug/l	89
6) Chloroethane	3.112	64	37661	21.476	ug/l	94
7) Trichlorofluoromethane	3.501	101	68355	20.045	ug/l	96
8) Diethyl Ether	3.971	74	25596	20.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	38945	19.460	ug/l	99
10) Methyl Iodide	4.595	142	64915	19.849	ug/l	100
11) Tert butyl alcohol	5.536	59	35201	102.703	ug/l	100
12) 1,1-Dichloroethene	4.348	96	37194	19.883	ug/l	99
13) Acrolein	4.189	56	37678	95.449	ug/l	96
14) Allyl chloride	5.030	41	47657	20.458	ug/l	92
15) Acrylonitrile	5.730	53	89486	101.078	ug/l	99
16) Acetone	4.436	43	79739	101.630	ug/l	100
17) Carbon Disulfide	4.718	76	93401	18.870	ug/l	100
18) Methyl Acetate	5.036	43	46092	18.282	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	130188	20.690	ug/l	98
20) Methylene Chloride	5.283	84	43208	18.473	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	40767	19.502	ug/l	90
22) Diisopropyl ether	6.677	45	111152	20.971	ug/l #	97
23) Vinyl Acetate	6.612	43	416434	103.038	ug/l	99
24) 1,1-Dichloroethane	6.577	63	71360	20.454	ug/l	95
25) 2-Butanone	7.489	43	115456	100.661	ug/l	95
26) 2,2-Dichloropropane	7.500	77	59490	19.993	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	49457	19.488	ug/l	96
28) Bromochloromethane	7.818	49	30084	21.566	ug/l	99
29) Tetrahydrofuran	7.847	42	69390	98.153	ug/l	98
30) Chloroform	7.971	83	79757	20.639	ug/l	95
31) Cyclohexane	8.259	56	63537	18.523	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	72668	20.382	ug/l	97
36) 1,1-Dichloropropene	8.377	75	57445	20.321	ug/l	99
37) Ethyl Acetate	7.565	43	45845	20.199	ug/l	99
38) Carbon Tetrachloride	8.365	117	64383	19.737	ug/l	98
39) Methylcyclohexane	9.606	83	73713	20.564	ug/l	97
40) Benzene	8.612	78	177356	20.443	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	22420	19.265	ug/l	98
42) 1,2-Dichloroethane	8.671	62	57572	19.838	ug/l	99
43) Isopropyl Acetate	8.694	43	77574	20.473	ug/l	98
44) Trichloroethene	9.353	130	48927	19.991	ug/l	100
45) 1,2-Dichloropropane	9.624	63	41627	20.175	ug/l	99
46) Dibromomethane	9.712	93	31458	20.307	ug/l	99
47) Bromodichloromethane	9.888	83	62644	20.625	ug/l	94
48) Methyl methacrylate	9.682	41	35320	20.239	ug/l	99
49) 1,4-Dioxane	9.694	88	18224	429.597	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	237081	101.472	ug/l	98
52) Toluene	10.630	92	118685	20.698	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61409	20.471	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	69813	20.918	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	47767	21.186	ug/l	95
56) Ethyl methacrylate	10.877	69	62763	20.544	ug/l	99
57) 1,3-Dichloropropane	11.165	76	74058	20.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	95621	106.009	ug/l	98
59) 2-Hexanone	11.200	43	174577	102.846	ug/l	99
60) Dibromochloromethane	11.359	129	51325	20.688	ug/l	100
61) 1,2-Dibromoethane	11.471	107	46660	19.753	ug/l	98
64) Tetrachloroethene	11.106	164	43957	18.875	ug/l	97
65) Chlorobenzene	11.894	112	129046	19.617	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	48668	20.335	ug/l	97
67) Ethyl Benzene	11.965	91	224267	20.153	ug/l	97
68) m/p-Xylenes	12.071	106	183326	40.771	ug/l	98
69) o-Xylene	12.400	106	91003	20.856	ug/l	98
70) Styrene	12.412	104	144645	20.669	ug/l	100
71) Bromoform	12.582	173	37454	20.646	ug/l #	99
73) Isopropylbenzene	12.700	105	232103	20.245	ug/l	99
74) N-amyl acetate	12.494	43	66197	19.873	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	67489	19.597	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	56071m	17.487	ug/l	
77) Bromobenzene	12.982	156	56966	19.759	ug/l	99
78) n-propylbenzene	13.041	91	258383	20.311	ug/l	99
79) 2-Chlorotoluene	13.129	91	156189	19.887	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	198518	20.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16410	18.464	ug/l #	81
82) 4-Chlorotoluene	13.129	91	156189	19.887	ug/l	98
83) tert-Butylbenzene	13.441	119	175576	20.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	201719	20.940	ug/l	99
85) sec-Butylbenzene	13.618	105	243119	20.346	ug/l	99
86) p-Isopropyltoluene	13.729	119	206199	20.623	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	105682	19.600	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	106474	19.414	ug/l	99
89) n-Butylbenzene	14.059	91	160049	19.972	ug/l	100
90) Hexachloroethane	14.335	117	35127	20.511	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	105548	19.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10926	19.307	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	53523	20.779	ug/l	100
94) Hexachlorobutadiene	15.500	225	29196	19.977	ug/l	98
95) Naphthalene	15.647	128	147843	19.420	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	50154	19.815	ug/l	96

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

