

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075787.D
 Acq On : 15 Dec 2022 00:04
 Operator : JC\MD
 Sample : VN1214WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 00:30:35 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	282463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	423375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	164259	53.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	8.177	113	149385	52.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.380%			
50) Toluene-d8	10.571	98	548596	51.266	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.853	95	188947	53.311	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	31740	15.826	ug/l	97
3) Chloromethane	2.377	50	39357	15.781	ug/l	93
4) Vinyl Chloride	2.530	62	47055	15.818	ug/l	93
5) Bromomethane	2.965	94	41051	16.237	ug/l	97
6) Chloroethane	3.124	64	35712	16.211	ug/l	95
7) Trichlorofluoromethane	3.512	101	71258	15.786	ug/l	89
8) Diethyl Ether	3.971	74	28415	17.235	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	41399	16.061	ug/l	99
10) Methyl Iodide	4.601	142	67854	16.221	ug/l	99
11) Tert butyl alcohol	5.536	59	38921	89.511	ug/l	98
12) 1,1-Dichloroethene	4.359	96	40045	15.996	ug/l	97
13) Acrolein	4.195	56	53289	99.966	ug/l	99
14) Allyl chloride	5.036	41	44698	15.274	ug/l	89
15) Acrylonitrile	5.730	53	102780	86.618	ug/l	99
16) Acetone	4.442	43	79084	74.657	ug/l	94
17) Carbon Disulfide	4.724	76	95927	15.826	ug/l	98
18) Methyl Acetate	5.036	43	52134	16.650	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	147657	17.911	ug/l	94
20) Methylene Chloride	5.289	84	49108	16.906	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	44747	16.321	ug/l	96
22) Diisopropyl ether	6.683	45	123956	17.436	ug/l	98
23) Vinyl Acetate	6.618	43	409212	85.519	ug/l	99
24) 1,1-Dichloroethane	6.577	63	79427	16.752	ug/l	98
25) 2-Butanone	7.494	43	123799	83.467	ug/l	93
26) 2,2-Dichloropropane	7.494	77	60677	15.112	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	55611	16.960	ug/l	98
28) Bromochloromethane	7.824	49	38373	18.465	ug/l	100
29) Tetrahydrofuran	7.847	42	82730	89.006	ug/l	100
30) Chloroform	7.977	83	88525	16.583	ug/l	99
31) Cyclohexane	8.265	56	69999	15.905	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	77309	16.335	ug/l	95
36) 1,1-Dichloropropene	8.377	75	61050	16.057	ug/l	99
37) Ethyl Acetate	7.571	43	54055	17.700	ug/l	97
38) Carbon Tetrachloride	8.371	117	69553	16.345	ug/l	98
39) Methylcyclohexane	9.606	83	76134	16.598	ug/l	98
40) Benzene	8.612	78	194983	16.622	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	26266	16.547	ug/l	92
42) 1,2-Dichloroethane	8.671	62	65615	16.825	ug/l	100
43) Isopropyl Acetate	8.694	43	86757	17.222	ug/l	99
44) Trichloroethene	9.359	130	52368	15.847	ug/l	95
45) 1,2-Dichloropropane	9.624	63	46973	16.456	ug/l	96
46) Dibromomethane	9.712	93	36217	17.106	ug/l	98
47) Bromodichloromethane	9.894	83	70132	16.891	ug/l	96
48) Methyl methacrylate	9.683	41	39043	17.208	ug/l	94
49) 1,4-Dioxane	9.700	88	19308	346.146	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	270380	88.749	ug/l	100
52) Toluene	10.635	92	128393	16.806	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	66243	16.299	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	74405	16.674	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	51372	17.132	ug/l	98
56) Ethyl methacrylate	10.877	69	67879	17.042	ug/l	96
57) 1,3-Dichloropropane	11.165	76	82502	16.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	98860	77.959	ug/l	100
59) 2-Hexanone	11.200	43	195484	87.986	ug/l	99
60) Dibromochloromethane	11.359	129	54688	16.399	ug/l	98
61) 1,2-Dibromoethane	11.471	107	52750	17.383	ug/l	99
64) Tetrachloroethene	11.106	164	46802	15.710	ug/l	95
65) Chlorobenzene	11.894	112	140324	16.148	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	53566	16.642	ug/l	99
67) Ethyl Benzene	11.965	91	245929	16.769	ug/l	98
68) m/p-Xylenes	12.071	106	195463	33.673	ug/l	99
69) o-Xylene	12.400	106	96906	16.869	ug/l	99
70) Styrene	12.412	104	157841	17.281	ug/l	99
71) Bromoform	12.582	173	40167	17.150	ug/l #	99
73) Isopropylbenzene	12.700	105	248171	16.828	ug/l	99
74) N-amyl acetate	12.494	43	76158	17.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	75192	16.493	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	64260m	15.621	ug/l	
77) Bromobenzene	12.982	156	61716	16.536	ug/l	99
78) n-propylbenzene	13.041	91	278226	17.105	ug/l	99
79) 2-Chlorotoluene	13.129	91	172513	16.990	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	212706	17.233	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	17112	14.973	ug/l	92
82) 4-Chlorotoluene	13.129	91	172513	16.990	ug/l	99
83) tert-Butylbenzene	13.441	119	188366	17.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	213260	17.417	ug/l	99
85) sec-Butylbenzene	13.618	105	255829	17.032	ug/l	99
86) p-Isopropyltoluene	13.729	119	217853	17.431	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	114086	16.548	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	112971	16.040	ug/l	99
89) n-Butylbenzene	14.059	91	163791	16.177	ug/l	99
90) Hexachloroethane	14.335	117	37235	16.655	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	113129	16.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12015	14.852	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	51995	15.466	ug/l	98
94) Hexachlorobutadiene	15.506	225	27414	14.946	ug/l	97
95) Naphthalene	15.647	128	153640	15.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	50880	16.192	ug/l	99

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

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