

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122722\
 Data File : VN075979.D
 Acq On : 27 Dec 2022 11:23
 Operator : JC\MD
 Sample : VN1227WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2022
 Supervised By : Mahesh Dadoda 12/28/2022

Quant Time: Dec 28 04:43:29 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	305434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	476000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	422045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	168953	50.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.700%			
35) Dibromofluoromethane	8.171	113	157545	53.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.880%			
50) Toluene-d8	10.571	98	588948	53.436	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.853	95	195347	53.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	34033	15.693	ug/l	98
3) Chloromethane	2.371	50	42273	15.676	ug/l	96
4) Vinyl Chloride	2.530	62	52659	16.370	ug/l	99
5) Bromomethane	2.953	94	45475	16.634	ug/l	95
6) Chloroethane	3.124	64	41951	17.611	ug/l	98
7) Trichlorofluoromethane	3.506	101	86980	17.820	ug/l	94
8) Diethyl Ether	3.977	74	31421	17.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	51994	18.654	ug/l	98
10) Methyl Iodide	4.595	142	72553	16.040	ug/l	98
11) Tert butyl alcohol	5.536	59	41878	89.068	ug/l	100
12) 1,1-Dichloroethene	4.353	96	47211	17.440	ug/l	99
13) Acrolein	4.189	56	61712	107.060	ug/l	97
14) Allyl chloride	5.036	41	53476	16.899	ug/l	90
15) Acrylonitrile	5.736	53	115301	89.862	ug/l	99
16) Acetone	4.436	43	122146	106.636	ug/l	95
17) Carbon Disulfide	4.724	76	95974	14.643	ug/l	97
18) Methyl Acetate	5.042	43	61084	18.041	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	167502	18.790	ug/l	96
20) Methylene Chloride	5.289	84	55978	17.857	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	50174	16.924	ug/l	96
22) Diisopropyl ether	6.688	45	143314	18.643	ug/l	99
23) Vinyl Acetate	6.612	43	468014m	90.452	ug/l	
24) 1,1-Dichloroethane	6.583	63	92617	18.065	ug/l	99
25) 2-Butanone	7.494	43	155387	96.885	ug/l	96
26) 2,2-Dichloropropane	7.500	77	82124	18.915	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	64826	18.283	ug/l	99
28) Bromochloromethane	7.818	49	39680	17.658	ug/l	99
29) Tetrahydrofuran	7.847	42	93464	92.992	ug/l	99
30) Chloroform	7.977	83	104184	18.049	ug/l	94
31) Cyclohexane	8.259	56	82229	17.279	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	94655	18.496	ug/l	96
36) 1,1-Dichloropropene	8.377	75	70094	17.900	ug/l	98
37) Ethyl Acetate	7.565	43	60753	19.315	ug/l #	95
38) Carbon Tetrachloride	8.365	117	84696	19.325	ug/l	95
39) Methylcyclohexane	9.606	83	88566	18.747	ug/l	95
40) Benzene	8.612	78	223554	18.503	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	31321	19.157	ug/l	97
42) 1,2-Dichloroethane	8.677	62	77240	19.230	ug/l	100
43) Isopropyl Acetate	8.694	43	101837	19.627	ug/l	99
44) Trichloroethene	9.353	130	60133	17.667	ug/l	97
45) 1,2-Dichloropropane	9.624	63	55093	18.739	ug/l	98
46) Dibromomethane	9.712	93	40692	18.661	ug/l	98
47) Bromodichloromethane	9.894	83	80886	18.915	ug/l	97
48) Methyl methacrylate	9.682	41	44576	19.075	ug/l	95
49) 1,4-Dioxane	9.694	88	22319	388.489	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	307645	98.044	ug/l	100
52) Toluene	10.635	92	150710	19.153	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	82203	19.637	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	88781	19.317	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	60431	19.567	ug/l	96
56) Ethyl methacrylate	10.876	69	81786	19.937	ug/l	99
57) 1,3-Dichloropropane	11.165	76	96137	18.977	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	118105	90.426	ug/l	99
59) 2-Hexanone	11.200	43	229540	100.310	ug/l	100
60) Dibromochloromethane	11.365	129	66864	19.467	ug/l	98
61) 1,2-Dibromoethane	11.471	107	60781	19.447	ug/l	99
64) Tetrachloroethene	11.106	164	58775	19.791	ug/l	97
65) Chlorobenzene	11.894	112	165102	19.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	62857	19.591	ug/l	98
67) Ethyl Benzene	11.965	91	285003	19.494	ug/l	98
68) m/p-Xylenes	12.070	106	226261	39.101	ug/l	99
69) o-Xylene	12.400	106	115122	20.104	ug/l	97
70) Styrene	12.412	104	182724	20.069	ug/l	99
71) Bromoform	12.582	173	45446	19.465	ug/l #	98
73) Isopropylbenzene	12.700	105	292752	19.730	ug/l	99
74) N-amyl acetate	12.500	43	85755	19.700	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	84880	18.504	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	73537m	17.767	ug/l	
77) Bromobenzene	12.982	156	68925	18.355	ug/l	99
78) n-propylbenzene	13.035	91	321623	19.652	ug/l	99
79) 2-Chlorotoluene	13.129	91	192486	18.842	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	248922	20.044	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	21739	18.906	ug/l	97
82) 4-Chlorotoluene	13.129	91	192486	18.842	ug/l	98
83) tert-Butylbenzene	13.441	119	225829	20.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	249241	20.231	ug/l	98
85) sec-Butylbenzene	13.617	105	303320	20.071	ug/l	99
86) p-Isopropyltoluene	13.735	119	255822	20.344	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	132695	19.130	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	130057	18.354	ug/l	99
89) n-Butylbenzene	14.059	91	196655	19.304	ug/l	99
90) Hexachloroethane	14.335	117	44789	19.911	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	132985	19.464	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14230	17.483	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	64845	19.170	ug/l	97
94) Hexachlorobutadiene	15.506	225	34808	18.861	ug/l	98
95) Naphthalene	15.647	128	177956	17.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	60437	19.116	ug/l	98

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

