

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083979.D
 Acq On : 18 Sep 2024 13:51
 Operator : JC\MD
 Sample : VN0918WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:32:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	140165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104738	49.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.120%		
35) Dibromofluoromethane	8.165	113	74180	46.917	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.840%		
50) Toluene-d8	10.565	98	261744	47.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.847	95	104054	46.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	30433	18.696	ug/l	98
3) Chloromethane	2.359	50	30700	17.260	ug/l	97
4) Vinyl Chloride	2.518	62	31553	17.684	ug/l	100
5) Bromomethane	2.965	94	21808	21.288	ug/l	99
6) Chloroethane	3.124	64	22201	17.739	ug/l	100
7) Trichlorofluoromethane	3.501	101	57088	18.850	ug/l	92
8) Diethyl Ether	3.965	74	21332	21.012	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	31849	19.840	ug/l	98
10) Methyl Iodide	4.589	142	39475	19.335	ug/l	92
11) Tert butyl alcohol	5.524	59	39204	138.522	ug/l	100
12) 1,1-Dichloroethene	4.348	96	28329	18.686	ug/l	99
13) Acrolein	4.177	56	21327	76.374	ug/l	100
14) Allyl chloride	5.024	41	50031	18.521	ug/l	90
15) Acrylonitrile	5.718	53	89371	116.117	ug/l	98
16) Acetone	4.424	43	84130	99.298	ug/l	97
17) Carbon Disulfide	4.712	76	70006	16.508	ug/l	98
18) Methyl Acetate	5.024	43	43793	23.837	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	119281	21.743	ug/l	96
20) Methylene Chloride	5.277	84	35260	20.337	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	30552	18.804	ug/l	98
22) Diisopropyl ether	6.671	45	119720	21.529	ug/l	98
23) Vinyl Acetate	6.606	43	446810	109.720	ug/l	97
24) 1,1-Dichloroethane	6.571	63	64108	20.011	ug/l	96
25) 2-Butanone	7.483	43	126973	114.023	ug/l	97
26) 2,2-Dichloropropane	7.489	77	55564	18.833	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	39417	20.437	ug/l	99
28) Bromochloromethane	7.812	49	30702	22.756	ug/l	97
29) Tetrahydrofuran	7.836	42	79585	120.868	ug/l	98
30) Chloroform	7.965	83	69881	20.546	ug/l	98
31) Cyclohexane	8.253	56	53629	17.557	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	64010	20.467	ug/l	95
36) 1,1-Dichloropropene	8.371	75	44426	18.668	ug/l	99
37) Ethyl Acetate	7.559	43	52161	24.147	ug/l	98
38) Carbon Tetrachloride	8.365	117	52364	19.395	ug/l	97
39) Methylcyclohexane	9.600	83	48196	17.792	ug/l	98
40) Benzene	8.606	78	141861	19.805	ug/l	99

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	29748	23.284	ug/l	98
42) 1,2-Dichloroethane	8.671	62	57591	21.517	ug/l	99
43) Isopropyl Acetate	8.688	43	90469	23.111	ug/l	99
44) Trichloroethene	9.353	130	32890	19.828	ug/l	96
45) 1,2-Dichloropropane	9.618	63	35036	20.238	ug/l	92
46) Dibromomethane	9.706	93	26492	21.847	ug/l	98
47) Bromodichloromethane	9.888	83	55034	20.971	ug/l #	99
48) Methyl methacrylate	9.682	41	41379	22.281	ug/l	95
49) 1,4-Dioxane	9.694	88	15944	521.870	ug/l #	97
51) 4-Methyl-2-Pentanone	10.441	43	265104	124.413	ug/l	97
52) Toluene	10.629	92	88535	20.207	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	55171	20.740	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	59400	21.258	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	34862	21.313	ug/l	97
56) Ethyl methacrylate	10.877	69	58894	23.403	ug/l	95
57) 1,3-Dichloropropane	11.159	76	60988	21.695	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	112775	124.370	ug/l	96
59) 2-Hexanone	11.194	43	191655	121.590	ug/l	98
60) Dibromochloromethane	11.359	129	40151	21.934	ug/l	99
61) 1,2-Dibromoethane	11.465	107	34087	20.896	ug/l	98
64) Tetrachloroethene	11.100	164	27870	19.252	ug/l	95
65) Chlorobenzene	11.894	112	95323	19.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	34341	20.475	ug/l	99
67) Ethyl Benzene	11.965	91	175425	20.412	ug/l	96
68) m/p-Xylenes	12.071	106	128744	40.349	ug/l	99
69) o-Xylene	12.400	106	62736	20.310	ug/l	100
70) Styrene	12.412	104	105291	20.770	ug/l	98
71) Bromoform	12.576	173	25795	22.823	ug/l #	99
73) Isopropylbenzene	12.694	105	162629	20.396	ug/l	99
74) N-amyl acetate	12.494	43	79811	23.460	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	49686	21.208	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	44630m	21.461	ug/l	
77) Bromobenzene	12.976	156	38504	20.061	ug/l	98
78) n-propylbenzene	13.035	91	190349	20.518	ug/l	100
79) 2-Chlorotoluene	13.123	91	120077	20.295	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	139904	20.811	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16419	20.678	ug/l #	84
82) 4-Chlorotoluene	13.218	91	120840	20.352	ug/l	100
83) tert-Butylbenzene	13.435	119	117979	20.060	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	142664	21.127	ug/l	97
85) sec-Butylbenzene	13.618	105	159249	20.416	ug/l	99
86) p-Isopropyltoluene	13.729	119	135137	20.668	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	67738	18.701	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	69292	18.892	ug/l	97
89) n-Butylbenzene	14.053	91	115869	19.737	ug/l	98
90) Hexachloroethane	14.335	117	25367	19.300	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	67109	19.197	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10752	23.023	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	34045	18.148	ug/l	99
94) Hexachlorobutadiene	15.500	225	15458	19.403	ug/l	97
95) Naphthalene	15.641	128	118459	20.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	34802	19.412	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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