

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085302.D
 Acq On : 23 Dec 2024 18:24
 Operator : JC\MD
 Sample : VN1223WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/26/2024
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 24 04:15:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	146303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	258425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	217793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95165	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109345	42.760	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.520%
35) Dibromofluoromethane	8.159	113	83141	45.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.520%
50) Toluene-d8	10.559	98	318974	48.034	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.060%
62) 4-Bromofluorobenzene	12.847	95	101784	42.913	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37827	16.230	ug/l	94
3) Chloromethane	2.359	50	38065	17.134	ug/l	95
4) Vinyl Chloride	2.512	62	43774	21.030	ug/l	98
5) Bromomethane	2.965	94	26383	19.322	ug/l	98
6) Chloroethane	3.124	64	26998	20.646	ug/l	97
7) Trichlorofluoromethane	3.500	101	57655	17.153	ug/l	99
8) Diethyl Ether	3.959	74	19579	18.545	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	31959	17.728	ug/l	98
10) Methyl Iodide	4.589	142	37593	18.289	ug/l #	88
11) Tert butyl alcohol	5.512	59	23070	64.947	ug/l	98
12) 1,1-Dichloroethene	4.342	96	30602	18.326	ug/l	86
13) Acrolein	4.177	56	49789	121.715	ug/l	96
14) Allyl chloride	5.024	41	47828	16.538	ug/l	97
15) Acrylonitrile	5.712	53	72142	74.566	ug/l	97
16) Acetone	4.424	43	60966	69.069	ug/l	100
17) Carbon Disulfide	4.718	76	87042	15.274	ug/l	99
18) Methyl Acetate	5.018	43	38570	15.435	ug/l	93
19) Methyl tert-butyl Ether	5.789	73	101567	17.745	ug/l	99
20) Methylene Chloride	5.277	84	33979	17.598	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	31692	17.214	ug/l	86
22) Diisopropyl ether	6.665	45	106648	17.287	ug/l #	96
23) Vinyl Acetate	6.600	43	381713	80.072	ug/l	97
24) 1,1-Dichloroethane	6.571	63	61656	17.253	ug/l	98
25) 2-Butanone	7.477	43	97280	71.967	ug/l	100
26) 2,2-Dichloropropane	7.483	77	55248	16.695	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38310	17.872	ug/l	94
28) Bromochloromethane	7.812	49	33479	18.576	ug/l	96
29) Tetrahydrofuran	7.835	42	64199	73.677	ug/l	95
30) Chloroform	7.959	83	61891	16.217	ug/l	98
31) Cyclohexane	8.253	56	56364	17.037	ug/l #	90
32) 1,1,1-Trichloroethane	8.165	97	55653	16.361	ug/l	95
36) 1,1-Dichloropropene	8.371	75	45054	17.809	ug/l	98
37) Ethyl Acetate	7.553	43	43925	15.050	ug/l	98
38) Carbon Tetrachloride	8.359	117	47975	15.684	ug/l	96
39) Methylcyclohexane	9.600	83	50061	19.016	ug/l	88
40) Benzene	8.600	78	135415	17.206	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23266	15.642	ug/l	98
42) 1,2-Dichloroethane	8.665	62	48570	16.202	ug/l	99
43) Isopropyl Acetate	8.682	43	72730	13.626	ug/l	95
44) Trichloroethene	9.347	130	31205	17.809	ug/l	93
45) 1,2-Dichloropropane	9.618	63	32901	16.884	ug/l	100
46) Dibromomethane	9.700	93	23545	16.925	ug/l	96
47) Bromodichloromethane	9.882	83	48746	16.355	ug/l	99
48) Methyl methacrylate	9.677	41	32988	15.077	ug/l	96
49) 1,4-Dioxane	9.688	88	9822	284.721	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	209032	74.535	ug/l	98
52) Toluene	10.624	92	83610	17.668	ug/l	97
53) t-1,3-Dichloropropene	10.829	75	49501	17.039	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	53310	17.259	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	30321	17.111	ug/l	95
56) Ethyl methacrylate	10.871	69	47226	15.627	ug/l	97
57) 1,3-Dichloropropane	11.159	76	52689	16.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	122531	87.427	ug/l	99
59) 2-Hexanone	11.194	43	147125	73.595	ug/l	97
60) Dibromochloromethane	11.353	129	34933	16.634	ug/l	98
61) 1,2-Dibromoethane	11.465	107	30261	16.580	ug/l	98
64) Tetrachloroethene	11.100	164	28337	19.335	ug/l	97
65) Chlorobenzene	11.888	112	90164	18.417	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	30317	17.750	ug/l	99
67) Ethyl Benzene	11.959	91	159759	19.039	ug/l	98
68) m/p-Xylenes	12.065	106	119468	38.066	ug/l	96
69) o-Xylene	12.394	106	56329	19.095	ug/l	98
70) Styrene	12.406	104	92529	18.789	ug/l	98
71) Bromoform	12.576	173	21774	16.263	ug/l #	97
73) Isopropylbenzene	12.688	105	147269	21.452	ug/l	98
74) N-amyl acetate	12.488	43	62445	18.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	40584	16.592	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	36622m	16.144	ug/l	
77) Bromobenzene	12.976	156	32370	17.959	ug/l	98
78) n-propylbenzene	13.029	91	165997	19.716	ug/l	99
79) 2-Chlorotoluene	13.123	91	103005	19.269	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	118173	20.638	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	14677	17.180	ug/l	92
82) 4-Chlorotoluene	13.217	91	100187	18.521	ug/l	99
83) tert-Butylbenzene	13.435	119	102580	21.124	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	118825	20.301	ug/l	100
85) sec-Butylbenzene	13.612	105	140382	20.736	ug/l	100
86) p-Isopropyltoluene	13.723	119	117179	19.138	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	58601	17.654	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	57557	16.758	ug/l	97
89) n-Butylbenzene	14.053	91	101972	20.481	ug/l	98
90) Hexachloroethane	14.329	117	20850	16.765	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	56225	18.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	7630	16.266	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	28282	17.896	ug/l	99
94) Hexachlorobutadiene	15.500	225	12133	14.772	ug/l	93
95) Naphthalene	15.635	128	297260	56.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	26011	16.478	ug/l	95

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

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