

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122624\
 Data File : VN085313.D
 Acq On : 26 Dec 2024 13:25
 Operator : JC\MD
 Sample : VN1226WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1226WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2024
 Supervised By : Mahesh Dadoda 12/27/2024

Quant Time: Dec 27 00:43:23 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	138143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	244179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	212429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94893	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	109336	45.283	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.560%
35) Dibromofluoromethane	8.165	113	82708	48.178	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	10.565	98	309328	49.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.847	95	103239	46.066	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.140%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37894	17.219	ug/l	100
3) Chloromethane	2.359	50	40522	19.318	ug/l	95
4) Vinyl Chloride	2.518	62	43375	22.070	ug/l	97
5) Bromomethane	2.965	94	28531	22.130	ug/l	95
6) Chloroethane	3.124	64	28205	22.926	ug/l	96
7) Trichlorofluoromethane	3.501	101	56937	17.940	ug/l	99
8) Diethyl Ether	3.959	74	19940	20.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	31229	18.346	ug/l	100
10) Methyl Iodide	4.589	142	38979	20.083	ug/l #	97
11) Tert butyl alcohol	5.512	59	24052	71.712	ug/l	99
12) 1,1-Dichloroethene	4.342	96	30412	19.288	ug/l	82
13) Acrolein	4.177	56	43154	111.726	ug/l	94
14) Allyl chloride	5.018	41	45846	16.790	ug/l	98
15) Acrylonitrile	5.712	53	75591	82.746	ug/l	99
16) Acetone	4.424	43	62025	74.420	ug/l	92
17) Carbon Disulfide	4.712	76	87938	16.343	ug/l	99
18) Methyl Acetate	5.012	43	39632	16.797	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	103406	19.134	ug/l	98
20) Methylene Chloride	5.271	84	34122	18.716	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	30882	17.765	ug/l	93
22) Diisopropyl ether	6.665	45	109447	18.788	ug/l	96
23) Vinyl Acetate	6.600	43	399612	88.779	ug/l	100
24) 1,1-Dichloroethane	6.565	63	62346	18.476	ug/l	99
25) 2-Butanone	7.477	43	97810	76.633	ug/l	95
26) 2,2-Dichloropropane	7.483	77	55627	17.803	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38161	18.854	ug/l	98
28) Bromochloromethane	7.812	49	37462	22.014	ug/l	96
29) Tetrahydrofuran	7.836	42	66215	80.480	ug/l	96
30) Chloroform	7.959	83	64717	17.959	ug/l	93
31) Cyclohexane	8.253	56	56216	17.996	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	56441	17.573	ug/l	94
36) 1,1-Dichloropropene	8.365	75	45125	18.878	ug/l	99
37) Ethyl Acetate	7.553	43	41258	14.961	ug/l	98
38) Carbon Tetrachloride	8.359	117	48750	16.867	ug/l	93
39) Methylcyclohexane	9.600	83	47635	19.150	ug/l	93
40) Benzene	8.606	78	138149	18.577	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23001	16.366	ug/l	98
42) 1,2-Dichloroethane	8.665	62	49867	17.605	ug/l	99
43) Isopropyl Acetate	8.683	43	77174	15.302	ug/l	98
44) Trichloroethene	9.347	130	31415	18.975	ug/l	99
45) 1,2-Dichloropropane	9.618	63	34602	18.792	ug/l	99
46) Dibromomethane	9.700	93	23756	18.073	ug/l	99
47) Bromodichloromethane	9.882	83	50886	18.069	ug/l	99
48) Methyl methacrylate	9.677	41	33455	16.183	ug/l	94
49) 1,4-Dioxane	9.688	88	9984	306.303	ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	214603	80.986	ug/l	98
52) Toluene	10.629	92	84564	18.912	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	51013	18.584	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	55346	18.964	ug/l	90
55) 1,1,2-Trichloroethane	11.012	97	31392	18.749	ug/l	96
56) Ethyl methacrylate	10.871	69	48219	16.706	ug/l	97
57) 1,3-Dichloropropane	11.159	76	56081	19.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	125190	93.276	ug/l	98
59) 2-Hexanone	11.194	43	150374	79.609	ug/l	97
60) Dibromochloromethane	11.353	129	36459	18.373	ug/l	99
61) 1,2-Dibromoethane	11.465	107	31435	18.228	ug/l	100
64) Tetrachloroethene	11.100	164	28285	19.787	ug/l	92
65) Chlorobenzene	11.888	112	90586	18.970	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	31462	18.885	ug/l	100
67) Ethyl Benzene	11.959	91	157342	19.224	ug/l	98
68) m/p-Xylenes	12.071	106	120313	39.304	ug/l	96
69) o-Xylene	12.394	106	56468	19.625	ug/l	97
70) Styrene	12.406	104	92235	19.202	ug/l	98
71) Bromoform	12.576	173	21864	16.743	ug/l #	99
73) Isopropylbenzene	12.694	105	142016	20.746	ug/l	100
74) N-amyl acetate	12.488	43	60967	17.832	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	42030	17.233	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	33878m	14.977	ug/l	
77) Bromobenzene	12.976	156	33090	18.411	ug/l	99
78) n-propylbenzene	13.029	91	168905	20.119	ug/l	99
79) 2-Chlorotoluene	13.123	91	104171	19.543	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	117403	20.562	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	14509	17.032	ug/l	98
82) 4-Chlorotoluene	13.218	91	103852	19.254	ug/l	98
83) tert-Butylbenzene	13.435	119	99429	20.534	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	119654	20.502	ug/l	100
85) sec-Butylbenzene	13.612	105	140841	20.863	ug/l	99
86) p-Isopropyltoluene	13.723	119	116395	19.072	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	62350	18.838	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	62317	18.196	ug/l	98
89) n-Butylbenzene	14.053	91	99329	20.008	ug/l	99
90) Hexachloroethane	14.329	117	22474	18.122	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	58977	19.158	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7718	16.501	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	28978	18.389	ug/l	98
94) Hexachlorobutadiene	15.500	225	13225	16.147	ug/l	97
95) Naphthalene	15.635	128	90717	17.383	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	28618	18.182	ug/l	98

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

