

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085256.D
 Acq On : 18 Dec 2024 17:32
 Operator : JC\MD
 Sample : VN1218WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:46:48 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	8.224	168	100737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	176939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	159024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	76736	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	90544	51.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.840%
35) Dibromofluoromethane	8.165	113	61624	49.538	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	10.565	98	232122	51.053	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.100%
62) 4-Bromofluorobenzene	12.847	95	80327	49.464	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.920%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33460	20.850	ug/l	98
3) Chloromethane	2.359	50	30080	19.665	ug/l	98
4) Vinyl Chloride	2.507	62	29594	20.649	ug/l	99
5) Bromomethane	2.954	94	18940	20.145	ug/l	96
6) Chloroethane	3.112	64	19101	21.236	ug/l	89
7) Trichlorofluoromethane	3.495	101	44673	19.302	ug/l	98
8) Diethyl Ether	3.959	74	15889	21.857	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	24271	19.553	ug/l	99
10) Methyl Iodide	4.583	142	26501	18.724	ug/l #	95
11) Tert butyl alcohol	5.524	59	25083	102.555	ug/l	98
12) 1,1-Dichloroethene	4.336	96	22530	19.595	ug/l	91
13) Acrolein	4.177	56	28637	101.672	ug/l	96
14) Allyl chloride	5.024	41	37579	18.872	ug/l	99
15) Acrylonitrile	5.718	53	70318	105.556	ug/l	98
16) Acetone	4.430	43	63289	104.134	ug/l	98
17) Carbon Disulfide	4.706	76	69838	17.799	ug/l	100
18) Methyl Acetate	5.024	43	36341	21.121	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	82943	21.046	ug/l	97
20) Methylene Chloride	5.271	84	27435	20.636	ug/l #	87
21) trans-1,2-Dichloroethene	5.789	96	24285	19.157	ug/l	96
22) Diisopropyl ether	6.665	45	91595	21.562	ug/l	94
23) Vinyl Acetate	6.606	43	350107	106.662	ug/l	99
24) 1,1-Dichloroethane	6.571	63	48885	19.867	ug/l	98
25) 2-Butanone	7.483	43	99668	107.085	ug/l	100
26) 2,2-Dichloropropane	7.489	77	42815	18.791	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	28660	19.418	ug/l	97
28) Bromochloromethane	7.818	49	28457	22.931	ug/l	98
29) Tetrahydrofuran	7.841	42	65322	108.875	ug/l	98
30) Chloroform	7.959	83	51943	19.767	ug/l	100
31) Cyclohexane	8.253	56	42847	18.810	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	45154	19.279	ug/l	99
36) 1,1-Dichloropropene	8.371	75	34096	19.684	ug/l	97
37) Ethyl Acetate	7.559	43	44835	22.436	ug/l	97
38) Carbon Tetrachloride	8.359	117	39201	18.718	ug/l #	92
39) Methylcyclohexane	9.600	83	33181	18.408	ug/l	94
40) Benzene	8.606	78	109048	20.236	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22605	22.196	ug/l	95
42) 1,2-Dichloroethane	8.665	62	43001	20.950	ug/l	99
43) Isopropyl Acetate	8.688	43	70476	19.285	ug/l	99
44) Trichloroethene	9.347	130	23782	19.823	ug/l	89
45) 1,2-Dichloropropane	9.624	63	26704	20.014	ug/l	94
46) Dibromomethane	9.706	93	19875	20.867	ug/l	99
47) Bromodichloromethane	9.888	83	41981	20.572	ug/l	98
48) Methyl methacrylate	9.683	41	31367	20.938	ug/l	97
49) 1,4-Dioxane	9.694	88	10194	431.594	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	214707	111.817	ug/l	99
52) Toluene	10.630	92	66641	20.567	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	41726	20.977	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	44185	20.893	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	26056	21.476	ug/l	94
56) Ethyl methacrylate	10.877	69	39804	18.720	ug/l	94
57) 1,3-Dichloropropane	11.159	76	44693	20.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	84246	87.728	ug/l	100
59) 2-Hexanone	11.194	43	156341	114.221	ug/l	97
60) Dibromochloromethane	11.359	129	31063	21.603	ug/l	97
61) 1,2-Dibromoethane	11.471	107	26055	20.850	ug/l	97
64) Tetrachloroethene	11.106	164	21145	19.760	ug/l	97
65) Chlorobenzene	11.894	112	70845	19.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	26045	20.884	ug/l	96
67) Ethyl Benzene	11.965	91	119537	19.510	ug/l	99
68) m/p-Xylenes	12.071	106	91838	40.077	ug/l	98
69) o-Xylene	12.400	106	42325	19.650	ug/l	97
70) Styrene	12.412	104	71330	19.837	ug/l	98
71) Bromoform	12.576	173	20078	20.539	ug/l #	98
73) Isopropylbenzene	12.694	105	109599	19.799	ug/l	100
74) N-amyl acetate	12.494	43	58508	21.162	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	40171	20.368	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	38911m	21.273	ug/l	
77) Bromobenzene	12.976	156	28757	19.786	ug/l	96
78) n-propylbenzene	13.035	91	133580	19.676	ug/l	99
79) 2-Chlorotoluene	13.123	91	84514	19.607	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	97070	21.024	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	13309	19.320	ug/l	92
82) 4-Chlorotoluene	13.218	91	86485	19.828	ug/l	100
83) tert-Butylbenzene	13.441	119	78124	19.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	96977	20.548	ug/l	100
85) sec-Butylbenzene	13.612	105	109355	20.032	ug/l	100
86) p-Isopropyltoluene	13.729	119	90352	18.385	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	51756	19.337	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	52278	18.877	ug/l	98
89) n-Butylbenzene	14.059	91	74724	18.613	ug/l	99
90) Hexachloroethane	14.335	117	19364	19.309	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	48839	19.618	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8329	22.021	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	22207	17.426	ug/l	97
94) Hexachlorobutadiene	15.500	225	11213	16.930	ug/l	92
95) Naphthalene	15.641	128	72113	17.088	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	22576	17.737	ug/l	98

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

