

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085307.D
 Acq On : 23 Dec 2024 20:23
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 04:18:16 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	147108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	265702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103470	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	117276	45.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.220%
35) Dibromofluoromethane	8.159	113	90780	48.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.200%
50) Toluene-d8	10.565	98	347082	50.835	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.847	95	116620	47.822	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	99889	42.624	ug/l	93
3) Chloromethane	2.359	50	104492	46.778	ug/l	99
4) Vinyl Chloride	2.512	62	117789	56.280	ug/l	98
5) Bromomethane	2.953	94	72370	52.712	ug/l	95
6) Chloroethane	3.118	64	77089	60.069	ug/l	93
7) Trichlorofluoromethane	3.500	101	151299	44.766	ug/l	97
8) Diethyl Ether	3.953	74	52507	49.462	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	81503	44.963	ug/l	98
10) Methyl Iodide	4.589	142	103868	50.255	ug/l #	94
11) Tert butyl alcohol	5.512	59	63764	178.528	ug/l	99
12) 1,1-Dichloroethene	4.342	96	81623	48.612	ug/l	90
13) Acrolein	4.177	56	100281	243.806	ug/l	96
14) Allyl chloride	5.018	41	122971	42.289	ug/l	97
15) Acrylonitrile	5.712	53	200652	206.260	ug/l	98
16) Acetone	4.418	43	165667	186.660	ug/l	97
17) Carbon Disulfide	4.712	76	233948	40.829	ug/l	100
18) Methyl Acetate	5.012	43	99561	39.624	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	274702	47.732	ug/l	99
20) Methylene Chloride	5.277	84	90299	46.511	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	83216	44.953	ug/l	89
22) Diisopropyl ether	6.665	45	283257	45.662	ug/l	98
23) Vinyl Acetate	6.594	43	1059930	221.126	ug/l	99
24) 1,1-Dichloroethane	6.565	63	164714	45.838	ug/l	99
25) 2-Butanone	7.477	43	261732	192.567	ug/l	98
26) 2,2-Dichloropropane	7.483	77	143150	43.022	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	100739	46.739	ug/l	95
28) Bromochloromethane	7.812	49	69853	38.546	ug/l	96
29) Tetrahydrofuran	7.835	42	177835	202.974	ug/l	97
30) Chloroform	7.959	83	166242	43.321	ug/l	97
31) Cyclohexane	8.253	56	143744	43.212	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	150345	43.958	ug/l	99
36) 1,1-Dichloropropene	8.365	75	120671	46.392	ug/l	99
37) Ethyl Acetate	7.553	43	114470	38.146	ug/l	97
38) Carbon Tetrachloride	8.359	117	133711	42.516	ug/l	94
39) Methylcyclohexane	9.594	83	135234	49.962	ug/l	93
40) Benzene	8.600	78	364607	45.058	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	62946	41.160	ug/l	99
42) 1,2-Dichloroethane	8.665	62	127394	41.331	ug/l	99
43) Isopropyl Acetate	8.682	43	198792	36.225	ug/l	96
44) Trichloroethene	9.347	130	82965	46.052	ug/l	97
45) 1,2-Dichloropropane	9.618	63	90382	45.110	ug/l	97
46) Dibromomethane	9.706	93	63218	44.200	ug/l	97
47) Bromodichloromethane	9.882	83	133825	43.671	ug/l	99
48) Methyl methacrylate	9.677	41	89956	39.988	ug/l	89
49) 1,4-Dioxane	9.688	88	27747	782.304	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	575286	199.514	ug/l	97
52) Toluene	10.629	92	225957	46.439	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	137342	45.980	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	148009	46.606	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	81870	44.937	ug/l	98
56) Ethyl methacrylate	10.871	69	135447	39.588	ug/l	95
57) 1,3-Dichloropropane	11.159	76	145362	45.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	316997	196.501	ug/l	98
59) 2-Hexanone	11.194	43	409350	199.157	ug/l	97
60) Dibromochloromethane	11.359	129	95975	44.449	ug/l	100
61) 1,2-Dibromoethane	11.465	107	82055	43.726	ug/l	99
64) Tetrachloroethene	11.100	164	71272	46.299	ug/l	97
65) Chlorobenzene	11.888	112	242847	47.226	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.953	131	83309	46.436	ug/l	99
67) Ethyl Benzene	11.959	91	437013	49.582	ug/l	98
68) m/p-Xylenes	12.065	106	328404	99.623	ug/l	99
69) o-Xylene	12.394	106	160414	51.771	ug/l	96
70) Styrene	12.406	104	266433	51.507	ug/l	99
71) Bromoform	12.576	173	59461	42.283	ug/l #	99
73) Isopropylbenzene	12.694	105	408048	54.668	ug/l	100
74) N-amyl acetate	12.488	43	177861	47.710	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	113769	42.779	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	102337m	41.493	ug/l	
77) Bromobenzene	12.976	156	89012	45.420	ug/l	99
78) n-propylbenzene	13.029	91	471269	51.482	ug/l	99
79) 2-Chlorotoluene	13.123	91	284228	48.903	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	330019	53.009	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	41708	44.903	ug/l	95
82) 4-Chlorotoluene	13.217	91	284446	48.363	ug/l	97
83) tert-Butylbenzene	13.435	119	286215	54.209	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	334166	52.510	ug/l	97
85) sec-Butylbenzene	13.612	105	401162	54.499	ug/l	100
86) p-Isopropyltoluene	13.723	119	332203	46.771	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	168522	46.695	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	165332	44.275	ug/l	98
89) n-Butylbenzene	14.053	91	287609	53.131	ug/l	99
90) Hexachloroethane	14.329	117	61565	45.529	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	158414	47.193	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21606	42.364	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	79017	45.986	ug/l	99
94) Hexachlorobutadiene	15.494	225	33710	37.747	ug/l	94
95) Naphthalene	15.635	128	378416	66.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	74971	43.683	ug/l	99

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

