

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
 Data File : VN085358.D
 Acq On : 30 Dec 2024 20:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/31/2024
 Supervised By : Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 02:20:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	159448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122697	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121354	53.362	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.720%
35) Dibromofluoromethane	8.165	113	93479	53.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.520%
50) Toluene-d8	10.565	98	335532	52.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.847	95	120746	56.452	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	107220	49.721	ug/l	97
3) Chloromethane	2.359	50	113598	46.870	ug/l	98
4) Vinyl Chloride	2.512	62	114795	44.786	ug/l	96
5) Bromomethane	2.948	94	66667	39.769	ug/l	98
6) Chloroethane	3.112	64	71787	44.162	ug/l	95
7) Trichlorofluoromethane	3.495	101	156124	46.335	ug/l	98
8) Diethyl Ether	3.959	74	57720	51.737	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	88304	46.058	ug/l	98
10) Methyl Iodide	4.583	142	112685	50.789	ug/l	94
11) Tert butyl alcohol	5.524	59	89106	312.900	ug/l	97
12) 1,1-Dichloroethene	4.342	96	84722	47.815	ug/l	96
13) Acrolein	4.171	56	133418	300.503	ug/l	99
14) Allyl chloride	5.018	41	136644	48.185	ug/l	99
15) Acrylonitrile	5.718	53	269595	300.789	ug/l	99
16) Acetone	4.424	43	228082	304.999	ug/l	99
17) Carbon Disulfide	4.706	76	235180	43.630	ug/l	99
18) Methyl Acetate	5.018	43	139069	60.743	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	303617	52.719	ug/l	99
20) Methylene Chloride	5.271	84	101263	50.344	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	88118	47.607	ug/l	97
22) Diisopropyl ether	6.671	45	329769	53.964	ug/l	97
23) Vinyl Acetate	6.600	43	1259620	284.931	ug/l	100
24) 1,1-Dichloroethane	6.565	63	186882	50.767	ug/l	99
25) 2-Butanone	7.483	43	361037	311.197	ug/l	99
26) 2,2-Dichloropropane	7.489	77	138342	42.895	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	108128	49.772	ug/l	96
28) Bromochloromethane	7.812	49	93462	54.634	ug/l #	99
29) Tetrahydrofuran	7.836	42	241756	323.501	ug/l	98
30) Chloroform	7.965	83	186684	49.571	ug/l	100
31) Cyclohexane	8.259	56	146933	43.712	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	161756	48.094	ug/l	97
36) 1,1-Dichloropropene	8.371	75	124366	48.397	ug/l	99
37) Ethyl Acetate	7.559	43	146673	57.425	ug/l	99
38) Carbon Tetrachloride	8.359	117	140361	50.111	ug/l	99
39) Methylcyclohexane	9.600	83	124935	46.859	ug/l	96
40) Benzene	8.606	78	399133	51.373	ug/l	99

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41) Methacrylonitrile	7.777	41	83168	63.580	ug/l	97
42) 1,2-Dichloroethane	8.671	62	143145	51.388	ug/l	100
43) Isopropyl Acetate	8.688	43	246348	58.575	ug/l	98
44) Trichloroethene	9.353	130	87724	47.691	ug/l	100
45) 1,2-Dichloropropane	9.618	63	103061	52.254	ug/l	98
46) Dibromomethane	9.706	93	70326	51.270	ug/l	97
47) Bromodichloromethane	9.888	83	149448	52.421	ug/l	99
48) Methyl methacrylate	9.677	41	113295	62.083	ug/l	98
49) 1,4-Dioxane	9.694	88	39898	1449.054	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	763419	323.011	ug/l	100
52) Toluene	10.629	92	239723	51.819	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	147999	52.788	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	159514	52.615	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	92188	52.781	ug/l	99
56) Ethyl methacrylate	10.871	69	156810	61.645	ug/l	97
57) 1,3-Dichloropropane	11.159	76	164931	53.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	369870	300.533	ug/l	99
59) 2-Hexanone	11.194	43	562311	342.921	ug/l	100
60) Dibromochloromethane	11.359	129	108944	55.379	ug/l	99
61) 1,2-Dibromoethane	11.471	107	93616	54.177	ug/l	100
64) Tetrachloroethene	11.100	164	74496	46.549	ug/l	95
65) Chlorobenzene	11.888	112	260477	47.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	92282	50.377	ug/l	99
67) Ethyl Benzene	11.959	91	460926	50.780	ug/l	98
68) m/p-Xylenes	12.071	106	347456	104.600	ug/l	99
69) o-Xylene	12.394	106	167611	52.160	ug/l	96
70) Styrene	12.412	104	288119	55.323	ug/l	99
71) Bromoform	12.576	173	71804	56.594	ug/l #	99
73) Isopropylbenzene	12.694	105	423564	48.006	ug/l	100
74) N-amyl acetate	12.494	43	219782	58.194	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	145408	51.745	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	117686m	51.364	ug/l	
77) Bromobenzene	12.976	156	101496	46.430	ug/l	96
78) n-propylbenzene	13.035	91	511108	49.695	ug/l	99
79) 2-Chlorotoluene	13.123	91	310263	47.933	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	356920	50.011	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	49818m	52.071	ug/l	
82) 4-Chlorotoluene	13.218	91	314547	48.250	ug/l	100
83) tert-Butylbenzene	13.435	119	312437	50.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	363664	51.174	ug/l	98
85) sec-Butylbenzene	13.612	105	421677	49.139	ug/l	99
86) p-Isopropyltoluene	13.729	119	347135	45.475	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	189159	47.733	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	190348	46.761	ug/l	99
89) n-Butylbenzene	14.053	91	302168	48.086	ug/l	99
90) Hexachloroethane	14.329	117	69337	49.294	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	184153	48.782	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27694	55.374	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	90598	48.087	ug/l	98
94) Hexachlorobutadiene	15.500	225	37751	40.328	ug/l	99
95) Naphthalene	15.641	128	308110	48.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	89577	47.585	ug/l	98

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

