

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082064.D
 Acq On : 10 May 2024 12:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 10 23:19:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2024
 Supervised By : Mahesh Dadoda 05/13/2024

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	141987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	294552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	259550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112538	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	133434	55.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.360%	
35) Dibromofluoromethane	8.171	113	97042	54.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.440%	
50) Toluene-d8	10.571	98	404898	58.132	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 116.260%#	
62) 4-Bromofluorobenzene	12.847	95	143972	52.290	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 104.580%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	98612	49.475	ug/l	97
3) Chloromethane	2.360	50	113287	54.483	ug/l	98
4) Vinyl Chloride	2.518	62	111807	59.402	ug/l	98
5) Bromomethane	2.954	94	52586	67.458	ug/l	99
6) Chloroethane	3.118	64	65211	68.549	ug/l	98
7) Trichlorofluoromethane	3.501	101	147244	50.571	ug/l #	83
8) Diethyl Ether	3.959	74	68756	55.590	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	96851	57.294	ug/l	91
10) Methyl Iodide	4.583	142	89631	60.538	ug/l	97
11) Tert butyl alcohol	5.512	59	107858	247.587	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	93861	54.579	ug/l	92
13) Acrolein	4.183	56	82090	241.297	ug/l	99
14) Allyl chloride	5.018	41	175567	48.264	ug/l #	91
15) Acrylonitrile	5.718	53	311595	297.871	ug/l	99
16) Acetone	4.418	43	226213	320.774	ug/l	100
17) Carbon Disulfide	4.712	76	239107	46.259	ug/l	96
18) Methyl Acetate	5.018	43	159140	65.564	ug/l #	89
19) Methyl tert-butyl Ether	5.795	73	353668	54.501	ug/l	94
20) Methylene Chloride	5.277	84	112667	54.861	ug/l #	81
21) trans-1,2-Dichloroethene	5.783	96	96226	51.319	ug/l	90
22) Diisopropyl ether	6.671	45	429170	60.970	ug/l #	91
23) Vinyl Acetate	6.600	43	1641017m	286.925	ug/l	
24) 1,1-Dichloroethane	6.571	63	214574	58.567	ug/l	97
25) 2-Butanone	7.483	43	420615	309.249	ug/l #	87
26) 2,2-Dichloropropane	7.489	77	178418	52.939	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	126219	57.606	ug/l	87
28) Bromochloromethane	7.818	49	104606	60.074	ug/l #	72
29) Tetrahydrofuran	7.836	42	282467	289.604	ug/l	87
30) Chloroform	7.965	83	197708	54.442	ug/l	97
31) Cyclohexane	8.259	56	191063	52.926	ug/l	86
32) 1,1,1-Trichloroethane	8.165	97	158860	49.052	ug/l #	92
36) 1,1-Dichloropropene	8.371	75	144201	49.980	ug/l	95
37) Ethyl Acetate	7.553	43	169575	54.360	ug/l	98
38) Carbon Tetrachloride	8.365	117	128093	45.425	ug/l	97
39) Methylcyclohexane	9.600	83	169819	48.464	ug/l	92
40) Benzene	8.606	78	469094	54.161	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	99503	49.989	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	152599	47.447	ug/l	97
43) Isopropyl Acetate	8.688	43	313202	53.397	ug/l #	92
44) Trichloroethene	9.353	130	96995	48.573	ug/l	82
45) 1,2-Dichloropropane	9.624	63	125406	55.325	ug/l	98
46) Dibromomethane	9.706	93	76450	48.797	ug/l #	85
47) Bromodichloromethane	9.888	83	162757	49.259	ug/l	97
48) Methyl methacrylate	9.683	41	140097	50.032	ug/l	87
49) 1,4-Dioxane	9.700	88	43942	1032.488	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	916103	277.441	ug/l	93
52) Toluene	10.630	92	273286	52.689	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	182971	50.893	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	195074	52.647	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	104851	51.401	ug/l	95
56) Ethyl methacrylate	10.877	69	197364	50.811	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	198321	54.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	442533	250.088	ug/l	90
59) 2-Hexanone	11.194	43	697736	283.940	ug/l	95
60) Dibromochloromethane	11.359	129	107549	49.778	ug/l	97
61) 1,2-Dibromoethane	11.471	107	102629	52.610	ug/l	96
64) Tetrachloroethene	11.106	164	77731	41.234	ug/l #	92
65) Chlorobenzene	11.894	112	287014	50.637	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	89955	48.833	ug/l	94
67) Ethyl Benzene	11.965	91	540588	51.284	ug/l	94
68) m/p-Xylenes	12.071	106	384807	102.344	ug/l	93
69) o-Xylene	12.400	106	194807	53.069	ug/l	94
70) Styrene	12.412	104	331070	52.136	ug/l	95
71) Bromoform	12.582	173	61484	42.455	ug/l #	95
73) Isopropylbenzene	12.694	105	494761	49.448	ug/l	96
74) N-amyl acetate	12.494	43	277768	49.863	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	159688	53.146	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	141256m	48.411	ug/l	
77) Bromobenzene	12.982	156	99397	47.472	ug/l	64
78) n-propylbenzene	13.035	91	615421	50.636	ug/l	94
79) 2-Chlorotoluene	13.124	91	363912	47.062	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	409868	48.408	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	71764	50.398	ug/l	90
82) 4-Chlorotoluene	13.224	91	359336	47.866	ug/l	94
83) tert-Butylbenzene	13.441	119	336224	47.685	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	405507	47.959	ug/l	98
85) sec-Butylbenzene	13.618	105	509694	51.319	ug/l	96
86) p-Isopropyltoluene	13.729	119	399371	50.079	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	192738	49.334	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	188650	49.036	ug/l	95
89) n-Butylbenzene	14.059	91	391100	52.688	ug/l	95
90) Hexachloroethane	14.335	117	79658	50.777	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	181759	48.531	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30740	42.022	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	96885	46.240	ug/l	98
94) Hexachlorobutadiene	15.506	225	34058	44.100	ug/l	95
95) Naphthalene	15.641	128	379791	47.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	95644	47.544	ug/l	96

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

