

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081066.D
 Acq On : 19 Feb 2024 10:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 20 00:17:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/20/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	419608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	748829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	644040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	304265	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	240201	46.702	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.400%
35) Dibromofluoromethane	8.171	113	208081	49.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	10.565	98	718071	47.746	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.847	95	267893	47.405	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	265687	48.961	ug/l	98
3) Chloromethane	2.359	50	252970	42.545	ug/l	97
4) Vinyl Chloride	2.518	62	273374	45.354	ug/l	93
5) Bromomethane	2.959	94	187953	43.902	ug/l	93
6) Chloroethane	3.124	64	173650	44.460	ug/l	98
7) Trichlorofluoromethane	3.500	101	403022	45.768	ug/l	98
8) Diethyl Ether	3.959	74	145966	45.339	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	228212	46.489	ug/l	92
10) Methyl Iodide	4.589	142	277687	50.678	ug/l	97
11) Tert butyl alcohol	5.518	59	210780	222.845	ug/l #	83
12) 1,1-Dichloroethene	4.342	96	219026	46.157	ug/l	93
13) Acrolein	4.183	56	144270	284.579	ug/l	100
14) Allyl chloride	5.018	41	315337	44.787	ug/l #	91
15) Acrylonitrile	5.712	53	523101	211.758	ug/l	99
16) Acetone	4.424	43	403511	199.388	ug/l	99
17) Carbon Disulfide	4.712	76	584212	44.140	ug/l	98
18) Methyl Acetate	5.018	43	222136	44.996	ug/l #	90
19) Methyl tert-butyl Ether	5.788	73	737705	45.391	ug/l	100
20) Methylene Chloride	5.283	84	236194	45.022	ug/l	85
21) trans-1,2-Dichloroethene	5.788	96	236680	44.705	ug/l	92
22) Diisopropyl ether	6.665	45	736588	46.119	ug/l #	91
23) Vinyl Acetate	6.600	43	2925871	225.790	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	431003	46.671	ug/l	95
25) 2-Butanone	7.482	43	659957	201.858	ug/l	93
26) 2,2-Dichloropropane	7.488	77	411550	47.561	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	271707	44.172	ug/l	89
28) Bromochloromethane	7.812	49	185766	48.521	ug/l #	66
29) Tetrahydrofuran	7.835	42	431111	197.532	ug/l #	87
30) Chloroform	7.965	83	445420	45.370	ug/l	100
31) Cyclohexane	8.253	56	379766	42.763	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	409957	45.851	ug/l	92
36) 1,1-Dichloropropene	8.371	75	336266	46.353	ug/l	95
37) Ethyl Acetate	7.559	43	277716	42.418	ug/l	97
38) Carbon Tetrachloride	8.359	117	358721	48.875	ug/l	96
39) Methylcyclohexane	9.600	83	403741	47.743	ug/l	89
40) Benzene	8.606	78	980042	46.673	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	151178	40.572	ug/l	94
42) 1,2-Dichloroethane	8.671	62	339187	46.300	ug/l	99
43) Isopropyl Acetate	8.688	43	504643	44.071	ug/l #	95
44) Trichloroethene	9.353	130	256866	45.929	ug/l	95
45) 1,2-Dichloropropane	9.624	63	246811	46.989	ug/l	99
46) Dibromomethane	9.706	93	170433	44.534	ug/l #	90
47) Bromodichloromethane	9.888	83	352559	48.641	ug/l #	99
48) Methyl methacrylate	9.682	41	232675	43.670	ug/l	91
49) 1,4-Dioxane	9.694	88	81229	821.337	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1407093	213.617	ug/l	95
52) Toluene	10.629	92	617246	46.433	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	391580	48.615	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	422254	48.521	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	235361	46.034	ug/l	94
56) Ethyl methacrylate	10.876	69	362356	46.372	ug/l	86
57) 1,3-Dichloropropane	11.165	76	407001	46.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	900102	229.579	ug/l #	86
59) 2-Hexanone	11.194	43	1042690	199.666	ug/l	94
60) Dibromochloromethane	11.359	129	250062	46.039	ug/l	97
61) 1,2-Dibromoethane	11.470	107	242319	45.070	ug/l	98
64) Tetrachloroethene	11.106	164	214141	48.717	ug/l	96
65) Chlorobenzene	11.894	112	645392	46.301	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	237965	47.531	ug/l	98
67) Ethyl Benzene	11.965	91	1193884	47.865	ug/l	98
68) m/p-Xylenes	12.070	106	918624	96.085	ug/l	95
69) o-Xylene	12.400	106	444887	46.944	ug/l	94
70) Styrene	12.412	104	733508	48.844	ug/l	96
71) Bromoform	12.582	173	161956	50.988	ug/l #	96
73) Isopropylbenzene	12.694	105	1150971	43.235	ug/l	97
74) N-amyl acetate	12.494	43	450791	40.066	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	313157	41.835	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	268208m	38.797	ug/l	
77) Bromobenzene	12.982	156	251276	42.333	ug/l	74
78) n-propylbenzene	13.035	91	1367584	44.625	ug/l	96
79) 2-Chlorotoluene	13.123	91	796908	42.395	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	963713	44.649	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	110712	41.221	ug/l	95
82) 4-Chlorotoluene	13.223	91	803014	43.690	ug/l	94
83) tert-Butylbenzene	13.441	119	832041	44.581	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	957227	44.505	ug/l	94
85) sec-Butylbenzene	13.617	105	1167314	44.990	ug/l	92
86) p-Isopropyltoluene	13.729	119	995227	46.180	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	500514	44.628	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	505883	45.904	ug/l	98
89) n-Butylbenzene	14.059	91	882216	46.988	ug/l	97
90) Hexachloroethane	14.335	117	172898	48.536	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	482293	44.587	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63042	40.507	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	284816	47.196	ug/l	98
94) Hexachlorobutadiene	15.506	225	107352	47.699	ug/l	97
95) Naphthalene	15.641	128	946634	42.806	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	271981	45.431	ug/l	97

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

