

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078582.D
 Acq On : 19 Jul 2023 17:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 20 01:35:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2023
 Supervised By : Mahesh Dadoda 07/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	440545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	750829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	673407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	291761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	329898	55.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.720%			
35) Dibromofluoromethane	8.171	113	289749	56.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.700%			
50) Toluene-d8	10.571	98	1073355	55.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.500%			
62) 4-Bromofluorobenzene	12.853	95	354939	59.847	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	242463	44.890	ug/l	98
3) Chloromethane	2.371	50	284970	48.541	ug/l	99
4) Vinyl Chloride	2.518	62	418439	55.098	ug/l	100
5) Bromomethane	2.948	94	274194	57.864	ug/l	97
6) Chloroethane	3.118	64	266701	58.376	ug/l	96
7) Trichlorofluoromethane	3.501	101	449600	49.525	ug/l	98
8) Diethyl Ether	3.971	74	155238	51.324	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	249672	51.954	ug/l	98
10) Methyl Iodide	4.595	142	343378	51.998	ug/l	98
11) Tert butyl alcohol	5.530	59	223493	245.403	ug/l	100
12) 1,1-Dichloroethene	4.348	96	235399	50.639	ug/l	94
13) Acrolein	4.189	56	216195	241.282	ug/l	98
14) Allyl chloride	5.030	41	339629	53.468	ug/l	96
15) Acrylonitrile	5.730	53	601525	261.414	ug/l	99
16) Acetone	4.436	43	468641	254.736	ug/l	98
17) Carbon Disulfide	4.718	76	561945	41.805	ug/l	99
18) Methyl Acetate	5.036	43	403405	51.799	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	820287	53.557	ug/l	95
20) Methylene Chloride	5.289	84	287479	54.590	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	257687	49.192	ug/l #	82
22) Diisopropyl ether	6.683	45	790602	55.586	ug/l	96
23) Vinyl Acetate	6.612	43	2476096	273.842	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	499677	52.137	ug/l	98
25) 2-Butanone	7.489	43	766774	264.774	ug/l	89
26) 2,2-Dichloropropane	7.494	77	423195	53.989	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	321041	52.978	ug/l	94
28) Bromochloromethane	7.824	49	238275	52.785	ug/l	91
29) Tetrahydrofuran	7.847	42	495303	260.654	ug/l	86
30) Chloroform	7.977	83	546951	54.817	ug/l	91
31) Cyclohexane	8.265	56	363337	45.522	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	481044	53.773	ug/l	97
36) 1,1-Dichloropropene	8.377	75	381381	51.822	ug/l	98
37) Ethyl Acetate	7.571	43	321871	52.465	ug/l	95
38) Carbon Tetrachloride	8.365	117	435984	54.508	ug/l	98
39) Methylcyclohexane	9.606	83	360225	53.624	ug/l	92
40) Benzene	8.612	78	1170847	53.702	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	171991	54.993	ug/l	92
42) 1,2-Dichloroethane	8.677	62	398942	53.795	ug/l	99
43) Isopropyl Acetate	8.694	43	563708	55.810	ug/l	94
44) Trichloroethene	9.359	130	302593	51.494	ug/l	99
45) 1,2-Dichloropropane	9.630	63	303557	54.972	ug/l	99
46) Dibromomethane	9.718	93	217396	55.935	ug/l	94
47) Bromodichloromethane	9.894	83	435696	55.923	ug/l	99
48) Methyl methacrylate	9.688	41	264360	56.494	ug/l	88
49) 1,4-Dioxane	9.700	88	107623	1054.621	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	1692156	281.659	ug/l	93
52) Toluene	10.635	92	743134	54.995	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	450714	56.469	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	489550	57.541	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	298744	56.112	ug/l	97
56) Ethyl methacrylate	10.877	69	429861	57.759	ug/l	93
57) 1,3-Dichloropropane	11.171	76	497720	54.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	746329	281.394	ug/l	93
59) 2-Hexanone	11.200	43	1191395	279.026	ug/l	92
60) Dibromochloromethane	11.365	129	347861	59.184	ug/l	96
61) 1,2-Dibromoethane	11.471	107	300290	54.753	ug/l	99
64) Tetrachloroethene	11.106	164	244259	48.245	ug/l	99
65) Chlorobenzene	11.894	112	802874	53.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	318518	55.006	ug/l	97
67) Ethyl Benzene	11.971	91	1408597	55.362	ug/l	100
68) m/p-Xylenes	12.076	106	1073081	114.071	ug/l	99
69) o-Xylene	12.406	106	534878	56.293	ug/l	99
70) Styrene	12.418	104	870462	58.557	ug/l	99
71) Bromoform	12.582	173	220946	56.339	ug/l #	100
73) Isopropylbenzene	12.700	105	1347223	49.142	ug/l	100
74) N-amyl acetate	12.500	43	457925	48.469	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	423573	55.668	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	327294m	46.410	ug/l	
77) Bromobenzene	12.982	156	315980	53.096	ug/l	94
78) n-propylbenzene	13.041	91	1497435	51.074	ug/l	100
79) 2-Chlorotoluene	13.129	91	917518	47.777	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1090183	50.329	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	122374	45.599	ug/l	93
82) 4-Chlorotoluene	13.223	91	884790	49.388	ug/l	97
83) tert-Butylbenzene	13.441	119	901031	48.994	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1077648	51.218	ug/l	99
85) sec-Butylbenzene	13.618	105	1191206	51.244	ug/l	100
86) p-Isopropyltoluene	13.735	119	996549	53.390	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	537298	51.052	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	522664	49.304	ug/l	99
89) n-Butylbenzene	14.059	91	778522	58.293	ug/l	97
90) Hexachloroethane	14.341	117	185812	54.231	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	533160	50.904	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	67785	51.713	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	179786	53.784	ug/l	98
94) Hexachlorobutadiene	15.506	225	98957	57.877	ug/l	99
95) Naphthalene	15.641	128	581856	50.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	194028	50.480	ug/l	96

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

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