

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080100.D
 Acq On : 14 Nov 2023 19:36
 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 11/15/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 15 04:45:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	191684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	277401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	162269	55.565	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.120%			
35) Dibromofluoromethane	8.171	113	115648	52.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	10.571	98	406007	50.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.853	95	160195	60.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	110712	47.950	ug/l	99
3) Chloromethane	2.365	50	78626	26.588	ug/l	97
4) Vinyl Chloride	2.512	62	138976	45.983	ug/l	100
5) Bromomethane	2.942	94	59843	32.588	ug/l	99
6) Chloroethane	3.112	64	61548	25.773	ug/l	96
7) Trichlorofluoromethane	3.489	101	205637	54.704	ug/l	100
8) Diethyl Ether	3.959	74	65419	45.860	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.377	101	98332	45.124	ug/l	95
10) Methyl Iodide	4.589	142	108283	43.513	ug/l #	87
11) Tert butyl alcohol	5.518	59	89146	239.128	ug/l	100
12) 1,1-Dichloroethene	4.336	96	89404	43.331	ug/l	84
13) Acrolein	4.171	56	120514	555.404	ug/l	98
14) Allyl chloride	5.024	41	135620	42.916	ug/l	95
15) Acrylonitrile	5.718	53	247677	213.190	ug/l	99
16) Acetone	4.430	43	216041	210.605	ug/l	97
17) Carbon Disulfide	4.712	76	201200	33.807	ug/l	99
18) Methyl Acetate	5.018	43	197581	40.259	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	372321	52.413	ug/l	98
20) Methylene Chloride	5.283	84	106653	41.204	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	97061	42.180	ug/l #	83
22) Diisopropyl ether	6.671	45	309506	42.262	ug/l	97
23) Vinyl Acetate	6.606	43	802257	198.599	ug/l #	91
24) 1,1-Dichloroethane	6.571	63	202060	45.395	ug/l	99
25) 2-Butanone	7.483	43	298574	198.764	ug/l	90
26) 2,2-Dichloropropane	7.494	77	192721	52.352	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	122117	44.365	ug/l	84
28) Bromochloromethane	7.812	49	98838	45.564	ug/l	89
29) Tetrahydrofuran	7.836	42	187478	191.829	ug/l	88
30) Chloroform	7.971	83	232592	48.106	ug/l	90
31) Cyclohexane	8.259	56	143138	37.092	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	222390	56.450	ug/l	98
36) 1,1-Dichloropropene	8.371	75	152717	48.981	ug/l	95
37) Ethyl Acetate	7.559	43	123007	43.017	ug/l	97
38) Carbon Tetrachloride	8.365	117	195420	62.191	ug/l	99
39) Methylcyclohexane	9.606	83	138620	47.242	ug/l	92
40) Benzene	8.606	78	441129	47.237	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	68162	44.889	ug/l	91
42) 1,2-Dichloroethane	8.671	62	193568	59.340	ug/l	96
43) Isopropyl Acetate	8.688	43	240728	48.005	ug/l #	92
44) Trichloroethene	9.353	130	108736	46.923	ug/l	100
45) 1,2-Dichloropropane	9.624	63	111756	46.828	ug/l	97
46) Dibromomethane	9.712	93	81444	49.979	ug/l	93
47) Bromodichloromethane	9.888	83	187265	53.884	ug/l	96
48) Methyl methacrylate	9.683	41	105059	47.830	ug/l	86
49) 1,4-Dioxane	9.694	88	39567	1019.460	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	632245	223.945	ug/l	97
52) Toluene	10.630	92	283291	51.170	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	194815	57.182	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	198967	53.580	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	112706	50.614	ug/l	96
56) Ethyl methacrylate	10.877	69	173019	54.472	ug/l	93
57) 1,3-Dichloropropane	11.165	76	201806	51.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	406152	252.291	ug/l	95
59) 2-Hexanone	11.200	43	467814	216.605	ug/l	96
60) Dibromochloromethane	11.359	129	140321	58.870	ug/l	99
61) 1,2-Dibromoethane	11.471	107	111486	49.882	ug/l	98
64) Tetrachloroethene	11.106	164	92275	51.361	ug/l	96
65) Chlorobenzene	11.894	112	298790	49.655	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	125555	57.913	ug/l	93
67) Ethyl Benzene	11.965	91	555779	53.013	ug/l	93
68) m/p-Xylenes	12.071	106	413626	105.912	ug/l	89
69) o-Xylene	12.400	106	203084	54.002	ug/l	87
70) Styrene	12.412	104	350901	58.060	ug/l	95
71) Bromoform	12.582	173	95632	62.121	ug/l #	100
73) Isopropylbenzene	12.700	105	537446	50.624	ug/l	98
74) N-amyl acetate	12.494	43	178050	38.423	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	163474	43.429	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	132697m	40.406	ug/l	
77) Bromobenzene	12.982	156	127112	48.905	ug/l	97
78) n-propylbenzene	13.041	91	617791	50.816	ug/l	98
79) 2-Chlorotoluene	13.129	91	398749	51.342	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	463695	56.138	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	50548	41.877	ug/l #	87
82) 4-Chlorotoluene	13.223	91	397380	51.490	ug/l	95
83) tert-Butylbenzene	13.441	119	378405	55.968	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	462949	56.967	ug/l	96
85) sec-Butylbenzene	13.618	105	510178	54.464	ug/l	100
86) p-Isopropyltoluene	13.729	119	436645	57.173	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	236292	48.869	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	232637	47.401	ug/l	98
89) n-Butylbenzene	14.059	91	356671	54.223	ug/l	100
90) Hexachloroethane	14.335	117	82211	54.354	ug/l	76
91) 1,2-Dichlorobenzene	14.106	146	230014	50.392	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	37063	58.062	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	124216	57.233	ug/l	99
94) Hexachlorobutadiene	15.506	225	64359	65.414	ug/l	98
95) Naphthalene	15.641	128	367244	49.896	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	117278	55.126	ug/l	98

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

