

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080562.D
 Acq On : 20 Dec 2023 22:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 21 02:53:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	300357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	489746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	425551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	212594	55.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.840%			
35) Dibromofluoromethane	8.165	113	172166	55.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.880%			
50) Toluene-d8	10.565	98	613475	52.974	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.847	95	227600	51.757	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	183687	47.856	ug/l	99
3) Chloromethane	2.359	50	185251	45.622	ug/l	99
4) Vinyl Chloride	2.512	62	158336	48.303	ug/l	98
5) Bromomethane	2.953	94	73465	49.710	ug/l	96
6) Chloroethane	3.118	64	99085	47.041	ug/l	99
7) Trichlorofluoromethane	3.494	101	316152	47.552	ug/l	96
8) Diethyl Ether	3.953	74	109419	52.250	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	158696	50.360	ug/l	96
10) Methyl Iodide	4.589	142	125189	45.165	ug/l	92
11) Tert butyl alcohol	5.506	59	124990	276.646	ug/l	99
12) 1,1-Dichloroethene	4.341	96	158601	49.119	ug/l	91
13) Acrolein	4.177	56	160094	323.561	ug/l	98
14) Allyl chloride	5.024	41	209450	52.429	ug/l	99
15) Acrylonitrile	5.718	53	373752	292.772	ug/l	99
16) Acetone	4.424	43	249669	367.047	ug/l	98
17) Carbon Disulfide	4.712	76	412545	45.083	ug/l	98
18) Methyl Acetate	5.024	43	281598	64.339	ug/l	95
19) Methyl tert-butyl Ether	5.788	73	594814	55.215	ug/l	99
20) Methylene Chloride	5.277	84	185597	50.985	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	174540	49.853	ug/l #	77
22) Diisopropyl ether	6.671	45	485502	56.308	ug/l	92
23) Vinyl Acetate	6.600	43	1297870	262.084	ug/l	95
24) 1,1-Dichloroethane	6.571	63	322525	53.614	ug/l	98
25) 2-Butanone	7.482	43	431588	329.364	ug/l	89
26) 2,2-Dichloropropane	7.488	77	293488	47.711	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	212441	53.606	ug/l	92
28) Bromochloromethane	7.812	49	135697	58.750	ug/l	96
29) Tetrahydrofuran	7.835	42	288143	307.080	ug/l	89
30) Chloroform	7.965	83	357984	53.610	ug/l	95
31) Cyclohexane	8.259	56	240567	46.113	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	331937	50.770	ug/l	95
36) 1,1-Dichloropropene	8.371	75	255357	50.295	ug/l	96
37) Ethyl Acetate	7.559	43	178857	56.256	ug/l	98
38) Carbon Tetrachloride	8.359	117	289700	47.753	ug/l	94
39) Methylcyclohexane	9.600	83	247073	46.844	ug/l	90
40) Benzene	8.606	78	762251	51.991	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	109091	59.518	ug/l	91
42) 1,2-Dichloroethane	8.671	62	275434	50.732	ug/l	100
43) Isopropyl Acetate	8.688	43	324948	56.843	ug/l	98
44) Trichloroethene	9.353	130	194429	49.192	ug/l	99
45) 1,2-Dichloropropane	9.623	63	185520	53.876	ug/l	95
46) Dibromomethane	9.712	93	128050	51.782	ug/l #	88
47) Bromodichloromethane	9.888	83	284354	53.653	ug/l	99
48) Methyl methacrylate	9.682	41	184102	53.967	ug/l	90
49) 1,4-Dioxane	9.694	88	53853	1041.498	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	910737	289.275	ug/l	100
52) Toluene	10.629	92	470217	50.769	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	293589	51.200	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	306166	49.954	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	184077	55.235	ug/l	98
56) Ethyl methacrylate	10.876	69	200139	54.243	ug/l #	91
57) 1,3-Dichloropropane	11.165	76	316729	54.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	640188	274.841	ug/l	96
59) 2-Hexanone	11.194	43	672536	289.356	ug/l	100
60) Dibromochloromethane	11.359	129	211882	53.654	ug/l	99
61) 1,2-Dibromoethane	11.470	107	186419	54.047	ug/l	99
64) Tetrachloroethene	11.106	164	163753	49.839	ug/l	98
65) Chlorobenzene	11.894	112	499113	52.724	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	194252	52.296	ug/l	95
67) Ethyl Benzene	11.965	91	885071	50.847	ug/l	99
68) m/p-Xylenes	12.070	106	658804	102.425	ug/l	91
69) o-Xylene	12.400	106	320781	50.988	ug/l	90
70) Styrene	12.412	104	486780	53.716	ug/l	95
71) Bromoform	12.582	173	137357	50.708	ug/l #	100
73) Isopropylbenzene	12.700	105	833815	52.785	ug/l	98
74) N-amyl acetate	12.494	43	265878	57.638	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	235719	55.688	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	215363m	54.900	ug/l	
77) Bromobenzene	12.982	156	202400	52.086	ug/l	98
78) n-propylbenzene	13.035	91	923033	52.997	ug/l	99
79) 2-Chlorotoluene	13.129	91	591533	52.023	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	707704	52.019	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	76508	51.207	ug/l	92
82) 4-Chlorotoluene	13.223	91	590280	50.506	ug/l	97
83) tert-Butylbenzene	13.441	119	570421	51.197	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	706619	52.209	ug/l	99
85) sec-Butylbenzene	13.617	105	739400	51.878	ug/l	100
86) p-Isopropyltoluene	13.729	119	664306	51.620	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	344354	50.296	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	343487	49.701	ug/l	98
89) n-Butylbenzene	14.059	91	551335	51.301	ug/l	99
90) Hexachloroethane	14.335	117	102422	50.114	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	335365	51.584	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	48538	54.516	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	191224	52.976	ug/l	97
94) Hexachlorobutadiene	15.500	225	93364	45.433	ug/l	99
95) Naphthalene	15.641	128	615383	56.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	184199	52.881	ug/l	96

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

