

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079230.D
 Acq On : 11 Sep 2023 20:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 05:23:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	161742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	248167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	109920	50.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.680%			
35) Dibromofluoromethane	8.171	113	91212	49.634	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.260%			
50) Toluene-d8	10.571	98	347987	51.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.853	95	118727	55.161	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	72399	45.239	ug/l	98
3) Chloromethane	2.365	50	94010	44.749	ug/l	97
4) Vinyl Chloride	2.512	62	103604	45.260	ug/l	98
5) Bromomethane	2.936	94	52466	39.874	ug/l	99
6) Chloroethane	3.112	64	64566	43.982	ug/l	98
7) Trichlorofluoromethane	3.489	101	148213	44.217	ug/l	99
8) Diethyl Ether	3.965	74	57048	49.034	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	81081	45.484	ug/l	96
10) Methyl Iodide	4.583	142	90140	61.816	ug/l	94
11) Tert butyl alcohol	5.536	59	91653	227.373	ug/l	99
12) 1,1-Dichloroethene	4.336	96	80595	46.720	ug/l	85
13) Acrolein	4.183	56	84768	220.457	ug/l	99
14) Allyl chloride	5.030	41	121979	44.326	ug/l	94
15) Acrylonitrile	5.724	53	250310	239.482	ug/l	98
16) Acetone	4.436	43	191819	206.861	ug/l	97
17) Carbon Disulfide	4.712	76	224600	41.658	ug/l	99
18) Methyl Acetate	5.030	43	183669	48.194	ug/l #	87
19) Methyl tert-butyl Ether	5.800	73	296065	50.043	ug/l	98
20) Methylene Chloride	5.283	84	98984	43.865	ug/l	87
21) trans-1,2-Dichloroethene	5.795	96	93298	46.623	ug/l	87
22) Diisopropyl ether	6.677	45	307913	50.997	ug/l #	88
23) Vinyl Acetate	6.606	43	916872	246.883	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	179651	48.266	ug/l	98
25) 2-Butanone	7.489	43	323530	240.467	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	129399	42.365	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	109391	47.807	ug/l	91
28) Bromochloromethane	7.818	49	87962	52.269	ug/l	83
29) Tetrahydrofuran	7.841	42	216319	252.651	ug/l #	81
30) Chloroform	7.971	83	184296	47.556	ug/l	94
31) Cyclohexane	8.259	56	146162	45.847	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	159039	48.144	ug/l	98
36) 1,1-Dichloropropene	8.377	75	135955	47.997	ug/l	97
37) Ethyl Acetate	7.565	43	132963	47.062	ug/l #	95
38) Carbon Tetrachloride	8.365	117	138109	47.116	ug/l	98
39) Methylcyclohexane	9.606	83	141780	50.743	ug/l #	89
40) Benzene	8.612	78	413086	47.639	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	72929	51.196	ug/l #	88
42) 1,2-Dichloroethane	8.677	62	139622	46.772	ug/l	99
43) Isopropyl Acetate	8.694	43	218034	47.296	ug/l #	92
44) Trichloroethene	9.359	130	101605	47.566	ug/l	96
45) 1,2-Dichloropropane	9.630	63	106067	49.288	ug/l	97
46) Dibromomethane	9.712	93	71351	48.841	ug/l	93
47) Bromodichloromethane	9.894	83	142891	47.754	ug/l	96
48) Methyl methacrylate	9.688	41	103253	50.004	ug/l #	82
49) 1,4-Dioxane	9.700	88	44001	1036.022	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	673403	251.641	ug/l	94
52) Toluene	10.635	92	260186	48.825	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	154314	48.910	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	167017	49.493	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	100329	47.981	ug/l	97
56) Ethyl methacrylate	10.882	69	159745	54.120	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	176481	48.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	296250	239.813	ug/l	92
59) 2-Hexanone	11.200	43	489542	252.571	ug/l	94
60) Dibromochloromethane	11.365	129	107614	48.358	ug/l	99
61) 1,2-Dibromoethane	11.477	107	102124	48.940	ug/l	99
64) Tetrachloroethene	11.106	164	85035	46.992	ug/l	95
65) Chlorobenzene	11.894	112	265946	47.305	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	100538	47.690	ug/l	97
67) Ethyl Benzene	11.971	91	485571	50.495	ug/l	98
68) m/p-Xylenes	12.076	106	368606	102.839	ug/l	95
69) o-Xylene	12.400	106	180234	52.430	ug/l	95
70) Styrene	12.418	104	298524	53.995	ug/l	98
71) Bromoform	12.582	173	76008	48.838	ug/l #	99
73) Isopropylbenzene	12.700	105	459316	45.785	ug/l	100
74) N-amyl acetate	12.500	43	176590	46.397	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	151101	40.448	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	135573m	45.620	ug/l	
77) Bromobenzene	12.982	156	109271	43.016	ug/l	99
78) n-propylbenzene	13.041	91	532537	47.255	ug/l	99
79) 2-Chlorotoluene	13.129	91	326086	44.240	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	379459	45.394	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	45561	42.149	ug/l	92
82) 4-Chlorotoluene	13.223	91	314963	45.476	ug/l	100
83) tert-Butylbenzene	13.441	119	325702	47.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	379108	47.621	ug/l	100
85) sec-Butylbenzene	13.623	105	449166	47.180	ug/l	100
86) p-Isopropyltoluene	13.735	119	364345	47.903	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	188677	45.285	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	186195	44.226	ug/l	99
89) n-Butylbenzene	14.059	91	298288	49.872	ug/l	99
90) Hexachloroethane	14.341	117	66003	42.732	ug/l	79
91) 1,2-Dichlorobenzene	14.112	146	185547	45.112	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27168	47.840	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	80928	54.753	ug/l	97
94) Hexachlorobutadiene	15.500	225	45315	38.973	ug/l	99
95) Naphthalene	15.647	128	246212	56.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	83840	48.087	ug/l	97

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

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