

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079857.D
 Acq On : 03 Nov 2023 18:27
 Operator : JC\MD
 Sample : 04699-09 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Nov 04 03:49:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 04 03:49:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/04/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	255591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	474774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	425388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	245182	62.964	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.920%#			
35) Dibromofluoromethane	8.171	113	187984	55.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.880%			
50) Toluene-d8	10.571	98	628901	50.840	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.853	95	185289	45.164	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	627	0.204	ug/l #	43
3) Chloromethane	2.365	50	2340	0.547	ug/l	98
4) Vinyl Chloride	2.518	62	1374	0.341	ug/l #	75
5) Bromomethane	2.965	94	1385	0.566	ug/l	86
6) Chloroethane	3.118	64	1347	0.423	ug/l #	72
7) Trichlorofluoromethane	3.483	101	1259m	0.251	ug/l	
10) Methyl Iodide	4.595	142	862	0.260	ug/l #	88
11) Tert butyl alcohol	5.506	59	1415m	2.847	ug/l	
12) 1,1-Dichloroethene	4.330	96	588m	0.214	ug/l	
13) Acrolein	4.195	56	183	0.450	ug/l #	16
15) Acrylonitrile	5.736	53	1497	0.966	ug/l #	81
16) Acetone	4.453	43	2437	1.782	ug/l	96
17) Carbon Disulfide	4.706	76	2330	0.294	ug/l #	75
18) Methyl Acetate	5.059	43	2456	0.375	ug/l #	53
20) Methylene Chloride	5.271	84	1531	0.444	ug/l #	76
22) Diisopropyl ether	6.665	45	2040	0.209	ug/l #	65
23) Vinyl Acetate	6.618	43	5118	0.950	ug/l #	62
24) 1,1-Dichloroethane	6.577	63	1626	0.274	ug/l #	81
25) 2-Butanone	7.500	43	2385	1.191	ug/l	88
26) 2,2-Dichloropropane	7.488	77	1032m	0.210	ug/l	
28) Bromochloromethane	7.812	49	643	0.222	ug/l #	56
29) Tetrahydrofuran	7.865	42	1605	1.232	ug/l #	60
30) Chloroform	7.965	83	2715	0.421	ug/l #	73
31) Cyclohexane	8.230	56	8403	1.633	ug/l #	51
32) 1,1,1-Trichloroethane	8.165	97	1242	0.236	ug/l #	49
36) 1,1-Dichloropropene	8.371	75	1170	0.244	ug/l #	61
37) Ethyl Acetate	7.577	43	1124m	0.255	ug/l	
38) Carbon Tetrachloride	8.365	117	1466	0.303	ug/l #	68
39) Methylcyclohexane	9.600	83	1000	0.221	ug/l	97
40) Benzene	8.618	78	2912m	0.203	ug/l	
42) 1,2-Dichloroethane	8.671	62	1916	0.382	ug/l #	73
43) Isopropyl Acetate	8.700	43	1691	0.219	ug/l #	49
44) Trichloroethene	9.347	130	811m	0.227	ug/l	
46) Dibromomethane	9.712	93	510	0.203	ug/l	95
47) Bromodichloromethane	9.894	83	1981	0.370	ug/l #	77
49) 1,4-Dioxane	9.712	88	66	1.105	ug/l #	30

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Manual Integrations
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Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	10.447	43	4759	1.095	ug/l #	85
52) Toluene	10.641	92	2385	0.280	ug/l	94
53) t-1,3-Dichloropropene	10.835	75	1254	0.239	ug/l #	50
55) 1,1,2-Trichloroethane	11.024	97	798	0.233	ug/l #	70
57) 1,3-Dichloropropane	11.159	76	1403	0.232	ug/l #	75
58) 2-Chloroethyl Vinyl ether	10.171	63	1853	0.748	ug/l #	70
59) 2-Hexanone	11.200	43	2718	0.818	ug/l	83
60) Dibromochloromethane	11.371	129	952	0.260	ug/l	97
64) Tetrachloroethene	11.112	164	599	0.217	ug/l	90
65) Chlorobenzene	11.894	112	2190	0.237	ug/l #	77
66) 1,1,1,2-Tetrachloroethane	11.965	131	693	0.208	ug/l #	55
68) m/p-Xylenes	12.070	106	1982	0.331	ug/l	76
74) N-amyl acetate	12.500	43	1099	0.208	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.947	83	1387	0.323	ug/l #	85
76) 1,2,3-Trichloropropane	13.000	75	1213m	0.324	ug/l	
77) Bromobenzene	12.976	156	927	0.313	ug/l	72
78) n-propylbenzene	13.047	91	3318	0.240	ug/l	99
79) 2-Chlorotoluene	13.129	91	2117	0.239	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	1962	0.208	ug/l	95
82) 4-Chlorotoluene	13.223	91	1928	0.219	ug/l	92
83) tert-Butylbenzene	13.435	119	1763m	0.229	ug/l	
87) 1,3-Dichlorobenzene	13.735	146	1187	0.215	ug/l	85
88) 1,4-Dichlorobenzene	13.812	146	1333m	0.238	ug/l	
90) Hexachloroethane	14.347	117	401	0.233	ug/l	64
91) 1,2-Dichlorobenzene	14.100	146	1240	0.238	ug/l	99

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

