

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079781.D
 Acq On : 01 Nov 2023 19:06
 Operator : JC\MD
 Sample : 04699-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Nov 02 05:57:46 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

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 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	273649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	487484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	435971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181899	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	229378	55.018	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.040%	
35) Dibromofluoromethane	8.171	113	181510	52.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.220%	
50) Toluene-d8	10.571	98	670027	52.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.500%	
62) 4-Bromofluorobenzene	12.853	95	208445	49.483	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	8517	2.584	ug/l	99
3) Chloromethane	2.365	50	12661	2.369	ug/l	91
4) Vinyl Chloride	2.512	62	12381	2.870	ug/l #	82
5) Bromomethane	2.953	94	9146	3.489	ug/l	92
6) Chloroethane	3.118	64	9803	2.875	ug/l	96
7) Trichlorofluoromethane	3.495	101	15397	2.869	ug/l	98
8) Diethyl Ether	3.965	74	5354	2.629	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.371	101	8774	2.820	ug/l	97
10) Methyl Iodide	4.583	142	8212	2.312	ug/l #	88
11) Tert butyl alcohol	5.530	59	8062	15.148	ug/l #	84
13) Acrolein	4.183	56	5374	13.171	ug/l	98
14) Allyl chloride	5.024	41	11995	2.659	ug/l #	86
15) Acrylonitrile	5.718	53	20968	12.642	ug/l	97
16) Acetone	4.436	43	19135	13.066	ug/l	99
17) Carbon Disulfide	4.706	76	22503	2.649	ug/l #	93
18) Methyl Acetate	5.024	43	18190	2.596	ug/l #	86
22) Diisopropyl ether	6.677	45	26005	2.487	ug/l #	86
23) Vinyl Acetate	6.606	43	66510	11.533	ug/l #	85
25) 2-Butanone	7.488	43	27998	13.056	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	13217	2.515	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	10539	2.682	ug/l	86
28) Bromochloromethane	7.812	49	8009	2.586	ug/l #	41
29) Tetrahydrofuran	7.847	42	17503	12.545	ug/l #	74
32) 1,1,1-Trichloroethane	8.165	97	15543	2.764	ug/l #	49
36) 1,1-Dichloropropene	8.377	75	12288	2.494	ug/l	94
37) Ethyl Acetate	7.565	43	11837	2.620	ug/l #	90
38) Carbon Tetrachloride	8.365	117	13074	2.633	ug/l #	95
41) Methacrylonitrile	7.788	41	5337	2.225	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	15144	2.938	ug/l	98
43) Isopropyl Acetate	8.694	43	18352	2.316	ug/l	96
46) Dibromomethane	9.712	93	6925	2.690	ug/l	94
48) Methyl methacrylate	9.688	41	8262	2.381	ug/l #	76
49) 1,4-Dioxane	9.700	88	3268	53.291	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	56670	12.704	ug/l	86
52) Toluene	10.629	92	24425	2.792	ug/l	99
56) Ethyl methacrylate	10.882	69	11827	2.357	ug/l #	81

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
57) 1,3-Dichloropropane	11.171	76	15416	2.486	ug/l	92	11/02/2023
58) 2-Chloroethyl Vinyl ether	10.165	63	25952	10.203	ug/l	90	
59) 2-Hexanone	11.200	43	39583	11.600	ug/l	82	
60) Dibromochloromethane	11.359	129	9522	2.528	ug/l	100	
61) 1,2-Dibromoethane	11.471	107	9028	2.557	ug/l	97	
66) 1,1,1,2-Tetrachloroethane	11.965	131	9203	2.701	ug/l	96	
68) m/p-Xylenes	12.076	106	27559	4.490	ug/l	95	
69) o-Xylene	12.400	106	13235	2.239	ug/l	95	
70) Styrene	12.412	104	20254	2.132	ug/l	98	
71) Bromoform	12.582	173	6664	2.754	ug/l #	92	
73) Isopropylbenzene	12.700	105	30479	2.208	ug/l	97	
74) N-amyl acetate	12.494	43	13747	2.281	ug/l #	84	
75) 1,1,2,2-Tetrachloroethane	12.941	83	13628	2.784	ug/l	97	
76) 1,2,3-Trichloropropane	12.994	75	12446m	2.914	ug/l		
77) Bromobenzene	12.982	156	9265	2.741	ug/l	96	
78) n-propylbenzene	13.041	91	40049	2.533	ug/l	94	
79) 2-Chlorotoluene	13.129	91	26667	2.641	ug/l	99	
80) 1,3,5-Trimethylbenzene	13.176	105	24469	2.278	ug/l	94	
81) trans-1,4-Dichloro-2-b...	12.853	75	117317	74.744	ug/l #	15	
82) 4-Chlorotoluene	13.223	91	24996	2.491	ug/l	94	
83) tert-Butylbenzene	13.441	119	20121	2.289	ug/l	98	
84) 1,2,4-Trimethylbenzene	13.482	105	24347	2.304	ug/l	99	
85) sec-Butylbenzene	13.617	105	28302	2.324	ug/l	97	
86) p-Isopropyltoluene	13.729	119	21382	2.153	ug/l	100	
87) 1,3-Dichlorobenzene	13.735	146	16167	2.571	ug/l	99	
88) 1,4-Dichlorobenzene	13.812	146	16037	2.513	ug/l	88	
89) n-Butylbenzene	14.059	91	17991	2.103	ug/l	99	
90) Hexachloroethane	14.335	117	5411	2.751	ug/l	88	
91) 1,2-Dichlorobenzene	14.112	146	15475	2.607	ug/l	98	
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2068	2.491	ug/l	94	
93) 1,2,4-Trichlorobenzene	15.394	180	6580	2.332	ug/l	99	
94) Hexachlorobutadiene	15.506	225	3207	2.507	ug/l	96	
95) Naphthalene	15.647	128	18062	1.887	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.847	180	5672	2.050	ug/l	89	

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

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