

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080801.D
 Acq On : 29 Jan 2024 19:17
 Operator : JC\MD
 Sample : P1187-07 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 30 02:06:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 02:03:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	114045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	238997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	200375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98385	49.867	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.740%
35) Dibromofluoromethane	8.165	113	66983	45.810	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	10.571	98	265188	46.338	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.853	95	83143	41.691	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	1239	0.731	ug/l #	65
3) Chloromethane	2.359	50	3475	1.365	ug/l	91
4) Vinyl Chloride	2.512	62	1382	0.714	ug/l #	70
5) Bromomethane	2.959	94	839	1.084	ug/l #	78
6) Chloroethane	3.124	64	1495	1.449	ug/l #	85
7) Trichlorofluoromethane	3.495	101	2118	0.845	ug/l #	40
8) Diethyl Ether	3.971	74	789	0.683	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	578	0.396	ug/l #	43
10) Methyl Iodide	4.595	142	797m	0.646	ug/l	
11) Tert butyl alcohol	5.524	59	1003m	3.119	ug/l	
12) 1,1-Dichloroethene	4.330	96	1178	0.736	ug/l #	44
13) Acrolein	4.189	56	947	2.335	ug/l #	76
14) Allyl chloride	5.018	41	2759	0.872	ug/l #	31
15) Acrylonitrile	5.718	53	3990	4.125	ug/l #	87
16) Acetone	4.424	43	3067	4.286	ug/l #	85
17) Carbon Disulfide	4.712	76	3701	0.743	ug/l #	78
18) Methyl Acetate	5.042	43	3819m	1.531	ug/l	
19) Methyl tert-butyl Ether	5.783	73	3912m	0.694	ug/l	
20) Methylene Chloride	5.283	84	1759m	0.936	ug/l	
21) trans-1,2-Dichloroethene	5.789	96	1162	0.668	ug/l #	68
22) Diisopropyl ether	6.671	45	4792	0.686	ug/l #	95
23) Vinyl Acetate	6.600	43	14136	2.798	ug/l #	75
24) 1,1-Dichloroethane	6.565	63	2689m	0.759	ug/l	
25) 2-Butanone	7.488	43	5950	4.378	ug/l #	63
26) 2,2-Dichloropropane	7.488	77	2204m	0.770	ug/l	
27) cis-1,2-Dichloroethene	7.500	96	1306	0.649	ug/l #	7
28) Bromochloromethane	7.806	49	1350	0.720	ug/l #	81
29) Tetrahydrofuran	7.853	42	3543m	3.853	ug/l	
30) Chloroform	7.983	83	2375m	0.722	ug/l	
31) Cyclohexane	8.235	56	6142m	1.815	ug/l	
32) 1,1,1-Trichloroethane	8.171	97	2152m	0.807	ug/l	
36) 1,1-Dichloropropene	8.383	75	2339	0.861	ug/l #	51
37) Ethyl Acetate	7.559	43	2436m	0.871	ug/l	
38) Carbon Tetrachloride	8.359	117	1579	0.721	ug/l #	74
39) Methylcyclohexane	9.612	83	1948	0.721	ug/l #	59
40) Benzene	8.606	78	5728	0.717	ug/l #	81

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.788	41	1523	0.924	ug/l #	70	01/30/2024
42) 1,2-Dichloroethane	8.682	62	2356	0.905	ug/l #	75	Supervised By :Mahesh Dadoda
43) Isopropyl Acetate	8.688	43	4220	0.828	ug/l #	82	
44) Trichloroethene	9.353	130	1090	0.620	ug/l	46	
45) 1,2-Dichloropropane	9.618	63	1699	0.786	ug/l #	83	
46) Dibromomethane	9.712	93	857	0.669	ug/l	87	
47) Bromodichloromethane	9.894	83	2106	0.809	ug/l #	65	01/30/2024
48) Methyl methacrylate	9.688	41	2025	0.820	ug/l	89	
49) 1,4-Dioxane	9.700	88	442	14.860	ug/l #	64	
51) 4-Methyl-2-Pentanone	10.441	43	9884	3.471	ug/l #	87	
52) Toluene	10.635	92	3222	0.704	ug/l #	70	
53) t-1,3-Dichloropropene	10.835	75	1946	0.642	ug/l #	84	
54) cis-1,3-Dichloropropene	10.324	75	2463	0.747	ug/l #	86	
55) 1,1,2-Trichloroethane	11.012	97	1588	0.902	ug/l #	56	
56) Ethyl methacrylate	10.876	69	1679	0.621	ug/l	96	
57) 1,3-Dichloropropane	11.176	76	2431	0.734	ug/l #	88	
58) 2-Chloroethyl Vinyl ether	10.165	63	5134	3.255	ug/l #	82	
59) 2-Hexanone	11.200	43	7286	3.294	ug/l	98	
60) Dibromochloromethane	11.359	129	1112	0.679	ug/l	100	
61) 1,2-Dibromoethane	11.465	107	916	0.555	ug/l #	73	
64) Tetrachloroethene	11.100	164	963	0.731	ug/l #	66	
65) Chlorobenzene	11.888	112	3253	0.744	ug/l	99	
66) 1,1,1,2-Tetrachloroethane	11.965	131	824	0.579	ug/l #	36	
67) Ethyl Benzene	11.965	91	6040	0.743	ug/l	96	
68) m/p-Xylenes	12.076	106	3596	1.246	ug/l	88	
69) o-Xylene	12.406	106	1946	0.678	ug/l	94	
70) Styrene	12.406	104	2389	0.519	ug/l #	83	
71) Bromoform	12.576	173	621	0.646	ug/l #	90	
73) Isopropylbenzene	12.694	105	4269	0.654	ug/l	86	
74) N-amyl acetate	12.500	43	3011	0.743	ug/l #	89	
75) 1,1,2,2-Tetrachloroethane	12.935	83	1637	0.713	ug/l #	97	
76) 1,2,3-Trichloropropane	13.006	75	1663m	0.774	ug/l		
77) Bromobenzene	12.982	156	1231	0.883	ug/l	79	
78) n-propylbenzene	13.029	91	4814	0.618	ug/l	97	
79) 2-Chlorotoluene	13.123	91	3288	0.664	ug/l	91	
80) 1,3,5-Trimethylbenzene	13.170	105	3654	0.703	ug/l	92	
81) trans-1,4-Dichloro-2-b...	12.729	75	449m	0.538	ug/l		
82) 4-Chlorotoluene	13.223	91	3226	0.658	ug/l	84	
83) tert-Butylbenzene	13.441	119	2596	0.626	ug/l	82	
84) 1,2,4-Trimethylbenzene	13.488	105	3629	0.689	ug/l	92	
85) sec-Butylbenzene	13.617	105	3660	0.598	ug/l	99	
86) p-Isopropyltoluene	13.729	119	2654	0.558	ug/l	96	
87) 1,3-Dichlorobenzene	13.729	146	1800	0.722	ug/l	87	
88) 1,4-Dichlorobenzene	13.817	146	1933m	0.773	ug/l		
89) n-Butylbenzene	14.059	91	2870	0.617	ug/l #	91	
90) Hexachloroethane	14.329	117	334	0.402	ug/l	68	
91) 1,2-Dichlorobenzene	14.112	146	1463	0.641	ug/l	85	
93) 1,2,4-Trichlorobenzene	15.400	180	873	0.743	ug/l #	61	
95) Naphthalene	15.641	128	3402	0.757	ug/l #	87	
96) 1,2,3-Trichlorobenzene	15.847	180	883m	0.764	ug/l		

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