

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080821.D
 Acq On : 30 Jan 2024 17:59
 Operator : JC\MD
 Sample : P1187-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Quant Time: Jan 31 03:15:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	104864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	218891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	185671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	100807	55.568	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.140%			
35) Dibromofluoromethane	8.165	113	69825	52.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	10.565	98	272263	51.944	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.847	95	88973	48.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	7988	5.129	ug/l	93
3) Chloromethane	2.365	50	14576	6.226	ug/l	93
4) Vinyl Chloride	2.512	62	9010	5.062	ug/l #	63
5) Bromomethane	2.942	94	4731	6.645	ug/l	99
6) Chloroethane	3.124	64	6952	7.326	ug/l #	83
7) Trichlorofluoromethane	3.500	101	11951	5.188	ug/l	88
8) Diethyl Ether	3.953	74	6210	5.844	ug/l	51
9) 1,1,2-Trichlorotrifluo...	4.365	101	7532	5.607	ug/l #	80
10) Methyl Iodide	4.577	142	5710	5.035	ug/l #	82
11) Tert butyl alcohol	5.518	59	9115	30.823	ug/l	99
12) 1,1-Dichloroethene	4.336	96	8216	5.582	ug/l	84
13) Acrolein	4.171	56	10400m	27.888	ug/l	
14) Allyl chloride	5.018	41	15494	5.325	ug/l	94
15) Acrylonitrile	5.718	53	24754	27.833	ug/l	95
16) Acetone	4.430	43	22091	33.576	ug/l	93
17) Carbon Disulfide	4.706	76	23150	5.052	ug/l #	69
18) Methyl Acetate	5.030	43	21335	9.305	ug/l #	78
19) Methyl tert-butyl Ether	5.794	73	28678	5.529	ug/l	93
20) Methylene Chloride	5.289	84	10635m	6.158	ug/l	
21) trans-1,2-Dichloroethene	5.777	96	9407	5.883	ug/l	95
22) Diisopropyl ether	6.671	45	34863	5.431	ug/l #	90
23) Vinyl Acetate	6.606	43	104275	22.450	ug/l	97
24) 1,1-Dichloroethane	6.571	63	17744	5.450	ug/l #	92
25) 2-Butanone	7.483	43	35011	28.016	ug/l	97
26) 2,2-Dichloropropane	7.488	77	13591	5.165	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	10228	5.525	ug/l	97
28) Bromochloromethane	7.812	49	9671	5.611	ug/l #	92
29) Tetrahydrofuran	7.835	42	22447	26.545	ug/l	96
30) Chloroform	7.971	83	16809	5.557	ug/l	91
31) Cyclohexane	8.247	56	19710	6.336	ug/l #	84
32) 1,1,1-Trichloroethane	8.177	97	12783	5.212	ug/l	90
36) 1,1-Dichloropropene	8.371	75	12642	5.079	ug/l	98
37) Ethyl Acetate	7.559	43	13962	5.449	ug/l #	93
38) Carbon Tetrachloride	8.359	117	10681	5.326	ug/l #	92
39) Methylcyclohexane	9.606	83	11748	4.748	ug/l #	93
40) Benzene	8.606	78	40343	5.515	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	7260	4.807	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	13450	5.643	ug/l	91
43) Isopropyl Acetate	8.694	43	26319	5.642	ug/l	96
44) Trichloroethene	9.347	130	8299	5.150	ug/l	91
45) 1,2-Dichloropropane	9.624	63	11575	5.847	ug/l	98
46) Dibromomethane	9.712	93	6423	5.473	ug/l	93
47) Bromodichloromethane	9.894	83	13031	5.469	ug/l #	89
48) Methyl methacrylate	9.682	41	12961	5.731	ug/l	96
49) 1,4-Dioxane	9.700	88	3230	118.565	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	68381	26.221	ug/l	100
52) Toluene	10.629	92	22307	5.318	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	12337	4.444	ug/l	89
54) cis-1,3-Dichloropropene	10.318	75	15106	5.004	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	8708	5.402	ug/l #	91
56) Ethyl methacrylate	10.876	69	10805	4.360	ug/l	95
57) 1,3-Dichloropropane	11.165	76	16152	5.324	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.165	63	37187	25.741	ug/l	99
59) 2-Hexanone	11.194	43	52674	26.002	ug/l	93
60) Dibromochloromethane	11.359	129	7710	5.142	ug/l	99
61) 1,2-Dibromoethane	11.471	107	8128	5.380	ug/l	90
64) Tetrachloroethene	11.106	164	7090	5.810	ug/l	93
65) Chlorobenzene	11.888	112	21352	5.269	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	6494	4.928	ug/l	88
67) Ethyl Benzene	11.965	91	41081	5.454	ug/l	95
68) m/p-Xylenes	12.070	106	29226	10.927	ug/l	94
69) o-Xylene	12.400	106	13972	5.257	ug/l	96
70) Styrene	12.412	104	20097	4.708	ug/l	98
71) Bromoform	12.582	173	4777	5.361	ug/l #	84
73) Isopropylbenzene	12.700	105	31682	5.058	ug/l	96
74) N-amyl acetate	12.494	43	20795	5.348	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	12753	5.789	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	11093m	5.378	ug/l	
77) Bromobenzene	12.982	156	7286	5.442	ug/l	95
78) n-propylbenzene	13.035	91	40931	5.470	ug/l	95
79) 2-Chlorotoluene	13.129	91	24354	5.121	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	27811	5.576	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.747	75	3345	4.178	ug/l #	71
82) 4-Chlorotoluene	13.223	91	24694	5.244	ug/l	92
83) tert-Butylbenzene	13.435	119	21557	5.412	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	24361	4.820	ug/l	88
85) sec-Butylbenzene	13.617	105	28937	4.928	ug/l	98
86) p-Isopropyltoluene	13.729	119	23398	5.127	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	12357	5.160	ug/l	91
88) 1,4-Dichlorobenzene	13.812	146	12000	4.998	ug/l	85
89) n-Butylbenzene	14.059	91	21743	4.869	ug/l	96
90) Hexachloroethane	14.341	117	4123	5.163	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	12058	5.501	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2063	5.010	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	5348	4.741	ug/l	95
94) Hexachlorobutadiene	15.511	225	2224	4.512	ug/l	85
95) Naphthalene	15.641	128	19259	4.461	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	5900	5.321	ug/l	84

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

