

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082157.D
 Acq On : 16 May 2024 13:19
 Operator : JC\MD
 Sample : P2403-09 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2024

Quant Time: May 17 04:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

05/17/2024

Supervised By :Semsettin
 Yesilyurt

05/17/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	174120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107860	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.582	65	143969	52.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.720%	
35) Dibromofluoromethane	8.165	113	94456	50.351	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.700%	
50) Toluene-d8	10.565	98	350270	48.701	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.853	95	112231	43.719	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 87.440%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	1609	0.641	ug/l	92
3) Chloromethane	2.365	50	2453	0.862	ug/l	96
4) Vinyl Chloride	2.512	62	1657	0.620	ug/l	96
5) Bromomethane	2.965	94	1765	1.148	ug/l	90
6) Chloroethane	3.124	64	1472	0.843	ug/l	89
7) Trichlorofluoromethane	3.500	101	2548	0.728	ug/l	99
8) Diethyl Ether	3.971	74	772	0.619	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	4.371	101	1534	0.750	ug/l #	83
10) Methyl Iodide	4.583	142	1151	0.560	ug/l #	84
11) Tert butyl alcohol	5.524	59	1689m	3.827	ug/l	
12) 1,1-Dichloroethene	4.341	96	1419	0.746	ug/l	93
13) Acrolein	4.183	56	955	2.920	ug/l #	68
14) Allyl chloride	5.024	41	2819	0.692	ug/l #	84
15) Acrylonitrile	5.718	53	4074	3.564	ug/l #	86
16) Acetone	4.436	43	4219	3.741	ug/l #	78
17) Carbon Disulfide	4.706	76	4669	0.760	ug/l #	74
18) Methyl Acetate	5.041	43	2152	0.766	ug/l #	52
19) Methyl tert-butyl Ether	5.794	73	5157	0.742	ug/l	92
20) Methylene Chloride	5.288	84	2302m	1.012	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	1339	0.646	ug/l	98
22) Diisopropyl ether	6.677	45	5448	0.641	ug/l #	81
23) Vinyl Acetate	6.600	43	20551	3.066	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	3176	0.725	ug/l #	81
25) 2-Butanone	7.482	43	5735	3.354	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2481	0.676	ug/l #	74
27) cis-1,2-Dichloroethene	7.494	96	1768	0.723	ug/l	78
28) Bromochloromethane	7.806	49	1532	0.750	ug/l #	62
29) Tetrahydrofuran	7.847	42	3744	3.410	ug/l #	75
30) Chloroform	7.965	83	3087	0.738	ug/l	98
31) Cyclohexane	8.229	56	7585	1.727	ug/l #	35
32) 1,1,1-Trichloroethane	8.171	97	2765	0.745	ug/l #	51
36) 1,1-Dichloropropene	8.382	75	2046	0.650	ug/l #	41
37) Ethyl Acetate	7.565	43	2514	0.714	ug/l #	71
38) Carbon Tetrachloride	8.365	117	2267	0.711	ug/l #	73
39) Methylcyclohexane	9.600	83	1879	0.545	ug/l #	75
40) Benzene	8.606	78	6242	0.665	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	1541m	0.744	ug/l	
42) 1,2-Dichloroethane	8.677	62	2523	0.699	ug/l #	73
43) Isopropyl Acetate	8.688	43	3849	0.617	ug/l #	60
44) Trichloroethene	9.347	130	1629	0.764	ug/l	87
45) 1,2-Dichloropropane	9.629	63	1687	0.697	ug/l	90
46) Dibromomethane	9.712	93	1186	0.746	ug/l #	78
47) Bromodichloromethane	9.888	83	2147	0.640	ug/l #	96
48) Methyl methacrylate	9.676	41	2019	0.679	ug/l #	75
49) 1,4-Dioxane	9.700	88	582	13.971	ug/l #	64
51) 4-Methyl-2-Pentanone	10.447	43	11450	3.230	ug/l #	86
52) Toluene	10.629	92	3932	0.698	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	2286	0.659	ug/l #	83
54) cis-1,3-Dichloropropene	10.312	75	2536	0.690	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	1481	0.724	ug/l #	81
56) Ethyl methacrylate	10.876	69	1951	0.562	ug/l #	54
57) 1,3-Dichloropropane	11.170	76	2735	0.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	5637	3.146	ug/l	91
59) 2-Hexanone	11.200	43	8115	3.126	ug/l	87
60) Dibromochloromethane	11.359	129	1449	0.642	ug/l	91
61) 1,2-Dibromoethane	11.465	107	1418	0.675	ug/l #	77
64) Tetrachloroethene	11.106	164	1507	0.767	ug/l #	89
65) Chlorobenzene	11.894	112	4203	0.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	1116	0.579	ug/l #	57
67) Ethyl Benzene	11.965	91	6407	0.612	ug/l	97
68) m/p-Xylenes	12.070	106	4809	1.253	ug/l	91
69) o-Xylene	12.400	106	2403	0.646	ug/l	94
70) Styrene	12.412	104	3312	0.536	ug/l	96
71) Bromoform	12.576	173	795	0.574	ug/l #	99
73) Isopropylbenzene	12.694	105	6080	0.710	ug/l	98
74) N-amyl acetate	12.500	43	3059	0.649	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	2186	0.885	ug/l #	77
76) 1,2,3-Trichloropropane	12.994	75	1937m	0.853	ug/l	
77) Bromobenzene	12.982	156	1833	0.898	ug/l	84
78) n-propylbenzene	13.035	91	6783	0.668	ug/l	89
79) 2-Chlorotoluene	13.129	91	4463	0.700	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	4290	0.619	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	442m	0.455	ug/l	
82) 4-Chlorotoluene	13.223	91	4281	0.687	ug/l	87
83) tert-Butylbenzene	13.441	119	4060	0.670	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	4310	0.608	ug/l	91
85) sec-Butylbenzene	13.617	105	5443	0.648	ug/l	99
86) p-Isopropyltoluene	13.729	119	3832	0.561	ug/l #	88
87) 1,3-Dichlorobenzene	13.729	146	2571	0.695	ug/l	92
88) 1,4-Dichlorobenzene	13.811	146	2714m	0.719	ug/l	
89) n-Butylbenzene	14.053	91	3663	0.597	ug/l	92
90) Hexachloroethane	14.335	117	841	0.665	ug/l	78
91) 1,2-Dichlorobenzene	14.111	146	2423	0.692	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.723	75	172	0.339	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.388	180	1227	0.625	ug/l	92
94) Hexachlorobutadiene	15.500	225	616	0.715	ug/l	79
95) Naphthalene	15.641	128	3336	0.542	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.847	180	1152	0.586	ug/l	82

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

