

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082156.D
 Acq On : 16 May 2024 12:55
 Operator : JC\MD
 Sample : P2403-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 17 04:10:19 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	173419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148177	54.112	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.220%			
35) Dibromofluoromethane	8.171	113	98965	52.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	10.571	98	360437	49.600	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.847	95	118045	45.512	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	874	0.350	ug/l	76
3) Chloromethane	2.359	50	1652	0.583	ug/l	96
4) Vinyl Chloride	2.512	62	1427	0.536	ug/l #	40
5) Bromomethane	2.959	94	1450	0.947	ug/l	82
6) Chloroethane	3.124	64	1103	0.634	ug/l #	85
7) Trichlorofluoromethane	3.500	101	1838	0.527	ug/l #	83
8) Diethyl Ether	3.971	74	338	0.272	ug/l #	11
9) 1,1,2-Trichlorotrifluo...	4.383	101	968	0.475	ug/l #	38
10) Methyl Iodide	4.600	142	679	0.331	ug/l #	40
11) Tert butyl alcohol	5.530	59	1029	2.341	ug/l #	71
12) 1,1-Dichloroethene	4.353	96	1107	0.584	ug/l #	61
13) Acrolein	4.183	56	512	1.572	ug/l	94
14) Allyl chloride	5.024	41	2064	0.509	ug/l #	85
15) Acrylonitrile	5.724	53	2664	2.340	ug/l	94
16) Acetone	4.436	43	3380	3.009	ug/l	93
17) Carbon Disulfide	4.730	76	3409	0.557	ug/l #	74
18) Methyl Acetate	5.030	43	1644	0.588	ug/l #	47
19) Methyl tert-butyl Ether	5.800	73	3418	0.494	ug/l #	90
20) Methylene Chloride	5.277	84	1856	0.819	ug/l #	75
21) trans-1,2-Dichloroethene	5.765	96	1099m	0.532	ug/l	
22) Diisopropyl ether	6.683	45	3603	0.426	ug/l #	79
23) Vinyl Acetate	6.612	43	13694m	2.051	ug/l	
24) 1,1-Dichloroethane	6.577	63	2111	0.484	ug/l #	68
25) 2-Butanone	7.488	43	4429	2.601	ug/l	96
26) 2,2-Dichloropropane	7.483	77	1563	0.428	ug/l #	70
27) cis-1,2-Dichloroethene	7.488	96	1216	0.499	ug/l	76
28) Bromochloromethane	7.818	49	951	0.468	ug/l #	62
29) Tetrahydrofuran	7.847	42	2721	2.488	ug/l #	42
30) Chloroform	7.971	83	2220	0.533	ug/l	91
31) Cyclohexane	8.218	56	7349	1.680	ug/l #	37
32) 1,1,1-Trichloroethane	8.165	97	1824	0.493	ug/l #	53
36) 1,1-Dichloropropene	8.365	75	1658	0.522	ug/l #	57
37) Ethyl Acetate	7.565	43	1697	0.477	ug/l #	68
38) Carbon Tetrachloride	8.359	117	1602	0.497	ug/l #	85
39) Methylcyclohexane	9.600	83	1645	0.472	ug/l	91
40) Benzene	8.612	78	4663	0.492	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	947m	0.453	ug/l	
42) 1,2-Dichloroethane	8.665	62	2066	0.567	ug/l #	73
43) Isopropyl Acetate	8.694	43	3027	0.480	ug/l #	67
44) Trichloroethene	9.347	130	1018	0.473	ug/l	70
45) 1,2-Dichloropropane	9.624	63	1096	0.448	ug/l	90
46) Dibromomethane	9.706	93	823	0.513	ug/l	87
47) Bromodichloromethane	9.888	83	1487	0.439	ug/l #	92
48) Methyl methacrylate	9.688	41	1482	0.493	ug/l #	68
49) 1,4-Dioxane	9.694	88	365	8.672	ug/l #	46
51) 4-Methyl-2-Pentanone	10.453	43	7982	2.229	ug/l #	81
52) Toluene	10.629	92	2753	0.484	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	1437	0.410	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	1373	0.370	ug/l #	59
55) 1,1,2-Trichloroethane	11.012	97	1018	0.492	ug/l #	76
56) Ethyl methacrylate	10.871	69	1394	0.397	ug/l #	54
57) 1,3-Dichloropropane	11.165	76	1686	0.436	ug/l	90
58) 2-Chloroethyl Vinyl ether	10.159	63	3686	2.036	ug/l	91
59) 2-Hexanone	11.194	43	5075	1.935	ug/l	95
60) Dibromochloromethane	11.359	129	1071	0.469	ug/l	89
61) 1,2-Dibromoethane	11.459	107	824	0.388	ug/l	99
64) Tetrachloroethene	11.106	164	1101	0.549	ug/l	89
65) Chlorobenzene	11.888	112	2873	0.480	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	11.965	131	943	0.479	ug/l #	57
67) Ethyl Benzene	11.965	91	4696	0.439	ug/l	93
68) m/p-Xylenes	12.076	106	3408	0.869	ug/l	96
69) o-Xylene	12.400	106	1328	0.350	ug/l	68
70) Styrene	12.412	104	2488	0.394	ug/l	88
71) Bromoform	12.570	173	627	0.443	ug/l #	85
73) Isopropylbenzene	12.694	105	3827	0.432	ug/l	94
74) N-amyl acetate	12.494	43	2126	0.436	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.941	83	1132	0.443	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	1136m	0.484	ug/l	
77) Bromobenzene	12.982	156	1135	0.537	ug/l	91
78) n-propylbenzene	13.035	91	4950	0.472	ug/l	100
79) 2-Chlorotoluene	13.123	91	3179	0.482	ug/l	91
80) 1,3,5-Trimethylbenzene	13.170	105	3100	0.433	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	352m	0.351	ug/l	
82) 4-Chlorotoluene	13.223	91	3029	0.470	ug/l	89
83) tert-Butylbenzene	13.435	119	2926	0.467	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	3005	0.410	ug/l	94
85) sec-Butylbenzene	13.617	105	3571	0.411	ug/l	91
86) p-Isopropyltoluene	13.735	119	3274	0.464	ug/l	90
87) 1,3-Dichlorobenzene	13.741	146	1804	0.471	ug/l	92
88) 1,4-Dichlorobenzene	13.812	146	1859m	0.476	ug/l	
89) n-Butylbenzene	14.059	91	2592	0.408	ug/l	90
90) Hexachloroethane	14.335	117	479	0.366	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	2012	0.555	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	990	0.488	ug/l	89
94) Hexachlorobutadiene	15.506	225	302	0.339	ug/l #	67
95) Naphthalene	15.647	128	2265	0.356	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.841	180	718	0.353	ug/l	81

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

