

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082158.D
 Acq On : 16 May 2024 13:43
 Operator : JC\MD
 Sample : P2403-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 17 04:12:07 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	173847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144387	52.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.200%			
35) Dibromofluoromethane	8.171	113	96251	52.368	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.740%			
50) Toluene-d8	10.565	98	366523	52.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.847	95	120576	47.941	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	6019	2.401	ug/l	82
3) Chloromethane	2.365	50	7493	2.638	ug/l	96
4) Vinyl Chloride	2.512	62	6630	2.483	ug/l	91
5) Bromomethane	2.959	94	4674	3.045	ug/l	94
6) Chloroethane	3.124	64	4937	2.831	ug/l #	85
7) Trichlorofluoromethane	3.506	101	9028	2.582	ug/l	95
8) Diethyl Ether	3.965	74	3233	2.595	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.377	101	5326	2.607	ug/l	97
10) Methyl Iodide	4.583	142	4132	2.012	ug/l #	93
11) Tert butyl alcohol	5.518	59	6177	14.018	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	4746	2.500	ug/l	81
13) Acrolein	4.183	56	3526	10.798	ug/l	88
14) Allyl chloride	5.024	41	10096	2.484	ug/l #	90
15) Acrylonitrile	5.724	53	15298	13.405	ug/l	98
16) Acetone	4.442	43	13821	12.274	ug/l	93
17) Carbon Disulfide	4.712	76	15002	2.446	ug/l	100
18) Methyl Acetate	5.024	43	7366	2.627	ug/l #	79
19) Methyl tert-butyl Ether	5.794	73	18394	2.650	ug/l	95
20) Methylene Chloride	5.277	84	6623	2.915	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	5102	2.466	ug/l #	80
22) Diisopropyl ether	6.671	45	21856	2.575	ug/l #	92
23) Vinyl Acetate	6.606	43	77108m	11.522	ug/l	
24) 1,1-Dichloroethane	6.571	63	11304	2.584	ug/l	97
25) 2-Butanone	7.483	43	22021	12.898	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	9707	2.649	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	6164	2.524	ug/l	77
28) Bromochloromethane	7.812	49	5985	2.936	ug/l #	74
29) Tetrahydrofuran	7.841	42	14049	12.816	ug/l #	81
30) Chloroform	7.965	83	10992	2.631	ug/l	89
31) Cyclohexane	8.253	56	15193	3.465	ug/l #	78
32) 1,1,1-Trichloroethane	8.171	97	9889	2.668	ug/l #	50
36) 1,1-Dichloropropene	8.371	75	7849	2.546	ug/l	94
37) Ethyl Acetate	7.565	43	8972	2.601	ug/l #	92
38) Carbon Tetrachloride	8.365	117	7727	2.473	ug/l	91
39) Methylcyclohexane	9.600	83	8586	2.541	ug/l #	85
40) Benzene	8.606	78	23784	2.587	ug/l	100

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 Supervised By :Semsettin Yesilyurt 05/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	5124	2.526	ug/l #	80
42) 1,2-Dichloroethane	8.671	62	9918	2.805	ug/l	97
43) Isopropyl Acetate	8.688	43	15825	2.589	ug/l #	87
44) Trichloroethene	9.347	130	5855	2.804	ug/l	100
45) 1,2-Dichloropropane	9.629	63	6276	2.646	ug/l	98
46) Dibromomethane	9.706	93	4222	2.711	ug/l	93
47) Bromodichloromethane	9.888	83	8146	2.478	ug/l	97
48) Methyl methacrylate	9.682	41	7899	2.712	ug/l #	75
49) 1,4-Dioxane	9.706	88	2228	54.588	ug/l #	63
51) 4-Methyl-2-Pentanone	10.447	43	43830	12.620	ug/l	89
52) Toluene	10.629	92	14640	2.654	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	8013	2.357	ug/l #	88
54) cis-1,3-Dichloropropene	10.318	75	9321	2.590	ug/l #	81
55) 1,1,2-Trichloroethane	11.018	97	5091	2.540	ug/l	92
56) Ethyl methacrylate	10.871	69	8163	2.398	ug/l #	72
57) 1,3-Dichloropropane	11.159	76	9529	2.542	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	20806	11.852	ug/l	92
59) 2-Hexanone	11.200	43	30966	12.177	ug/l	88
60) Dibromochloromethane	11.353	129	5291	2.392	ug/l	95
61) 1,2-Dibromoethane	11.465	107	5263	2.556	ug/l	100
64) Tetrachloroethene	11.106	164	5336	2.635	ug/l	96
65) Chlorobenzene	11.894	112	14085	2.334	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	5016	2.523	ug/l	95
67) Ethyl Benzene	11.965	91	25101	2.325	ug/l	98
68) m/p-Xylenes	12.070	106	18449	4.662	ug/l	96
69) o-Xylene	12.400	106	8894	2.320	ug/l	92
70) Styrene	12.418	104	13999	2.199	ug/l	95
71) Bromoform	12.582	173	3392	2.376	ug/l #	95
73) Isopropylbenzene	12.694	105	22497	2.514	ug/l	98
74) N-amyl acetate	12.494	43	11362	2.308	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.935	83	7092	2.749	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	7183m	3.029	ug/l	
77) Bromobenzene	12.982	156	5599	2.625	ug/l	81
78) n-propylbenzene	13.035	91	26683	2.518	ug/l	95
79) 2-Chlorotoluene	13.129	91	17052	2.562	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	17740	2.451	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	2019m	1.992	ug/l	
82) 4-Chlorotoluene	13.223	91	16729	2.571	ug/l	93
83) tert-Butylbenzene	13.435	119	15818	2.498	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	16902	2.283	ug/l	96
85) sec-Butylbenzene	13.617	105	20726	2.362	ug/l	97
86) p-Isopropyltoluene	13.729	119	15820	2.218	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	9583	2.480	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	9821	2.490	ug/l	88
89) n-Butylbenzene	14.053	91	14268	2.226	ug/l	96
90) Hexachloroethane	14.335	117	2761	2.090	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	9290	2.540	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1206	2.275	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	4103	2.001	ug/l	90
94) Hexachlorobutadiene	15.500	225	2113	2.349	ug/l	97
95) Naphthalene	15.641	128	14381	2.238	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	4618	2.250	ug/l	96

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

