

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
 Data File : VN082144.D
 Acq On : 15 May 2024 20:26
 Operator : JC\MD
 Sample : P2403-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2024

Quant Time: May 16 06:12:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 06:08:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144121	50.576	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	8.165	113	95644	49.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.640%			
50) Toluene-d8	10.570	98	365841	49.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.853	95	122400	46.593	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 93.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	12436	4.780	ug/l	100
3) Chloromethane	2.365	50	14935	5.065	ug/l	98
4) Vinyl Chloride	2.518	62	13903	5.015	ug/l	90
5) Bromomethane	2.953	94	8794	5.519	ug/l	90
6) Chloroethane	3.118	64	10036	5.545	ug/l #	89
7) Trichlorofluoromethane	3.500	101	18732	5.160	ug/l	89
8) Diethyl Ether	3.959	74	6622	5.121	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.365	101	10268	4.842	ug/l	96
10) Methyl Iodide	4.583	142	8913	4.181	ug/l #	93
11) Tert butyl alcohol	5.530	59	11997	26.228	ug/l #	92
12) 1,1-Dichloroethene	4.336	96	10147	5.148	ug/l #	74
13) Acrolein	4.183	56	6741	19.887	ug/l	97
14) Allyl chloride	5.030	41	21000	4.977	ug/l #	86
15) Acrylonitrile	5.718	53	30818	26.014	ug/l	99
16) Acetone	4.436	43	28937	24.755	ug/l	91
17) Carbon Disulfide	4.718	76	30283	4.757	ug/l #	91
18) Methyl Acetate	5.024	43	15218	5.228	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	35832	4.974	ug/l	99
20) Methylene Chloride	5.277	84	12558	5.325	ug/l #	76
21) trans-1,2-Dichloroethene	5.788	96	10628	4.948	ug/l	96
22) Diisopropyl ether	6.671	45	43714	4.961	ug/l #	89
23) Vinyl Acetate	6.600	43	162040	23.325	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	22773	5.014	ug/l	95
25) 2-Butanone	7.482	43	44685	25.213	ug/l #	84
26) 2,2-Dichloropropane	7.488	77	17332	4.556	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	13055	5.151	ug/l	81
28) Bromochloromethane	7.812	49	12416	5.867	ug/l #	73
29) Tetrahydrofuran	7.841	42	29606	26.018	ug/l #	79
30) Chloroform	7.965	83	21953	5.062	ug/l	94
31) Cyclohexane	8.259	56	25152	5.526	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	18918	4.917	ug/l	89
36) 1,1-Dichloropropene	8.371	75	16077	4.993	ug/l	95
37) Ethyl Acetate	7.559	43	18524	5.141	ug/l #	93
38) Carbon Tetrachloride	8.359	117	15384	4.713	ug/l	96
39) Methylcyclohexane	9.606	83	16603	4.704	ug/l #	84
40) Benzene	8.606	78	48685	5.071	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	10732	5.064	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	20042	5.428	ug/l	94
43) Isopropyl Acetate	8.688	43	32431	5.080	ug/l #	90
44) Trichloroethene	9.353	130	10599	4.860	ug/l	87
45) 1,2-Dichloropropane	9.623	63	12321	4.974	ug/l	98
46) Dibromomethane	9.706	93	8211	5.049	ug/l	97
47) Bromodichloromethane	9.888	83	17111	4.984	ug/l	95
48) Methyl methacrylate	9.682	41	14959	4.917	ug/l #	81
49) 1,4-Dioxane	9.694	88	4199	98.497	ug/l #	76
51) 4-Methyl-2-Pentanone	10.447	43	90371	24.912	ug/l	89
52) Toluene	10.629	92	28888	5.014	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	16326	4.598	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	17419	4.634	ug/l #	75
55) 1,1,2-Trichloroethane	11.018	97	10785	5.151	ug/l	98
56) Ethyl methacrylate	10.876	69	17399	4.894	ug/l #	70
57) 1,3-Dichloropropane	11.165	76	19822	5.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	45476	24.801	ug/l	89
59) 2-Hexanone	11.200	43	64218	24.177	ug/l	88
60) Dibromochloromethane	11.359	129	11250	4.869	ug/l	97
61) 1,2-Dibromoethane	11.470	107	10934	5.084	ug/l	95
64) Tetrachloroethene	11.106	164	10510	4.990	ug/l	96
65) Chlorobenzene	11.894	112	30169	4.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	10059	4.865	ug/l	99
67) Ethyl Benzene	11.965	91	52379	4.664	ug/l	95
68) m/p-Xylenes	12.070	106	38846	9.439	ug/l	96
69) o-Xylene	12.400	106	18409	4.618	ug/l	92
70) Styrene	12.412	104	29752	4.493	ug/l	95
71) Bromoform	12.576	173	7291	4.910	ug/l #	93
73) Isopropylbenzene	12.694	105	45920	4.809	ug/l	98
74) N-amyl acetate	12.494	43	24324	4.631	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	14376	5.223	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	14309m	5.656	ug/l	
77) Bromobenzene	12.982	156	11093	4.875	ug/l	84
78) n-propylbenzene	13.035	91	54800	4.847	ug/l	94
79) 2-Chlorotoluene	13.129	91	35120	4.946	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	37447	4.850	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	4518	4.177	ug/l #	73
82) 4-Chlorotoluene	13.223	91	34740	5.004	ug/l	92
83) tert-Butylbenzene	13.441	119	32431	4.801	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	36743	4.652	ug/l	100
85) sec-Butylbenzene	13.617	105	44500	4.753	ug/l	95
86) p-Isopropyltoluene	13.729	119	33940	4.461	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	19702	4.779	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	20381	4.844	ug/l	88
89) n-Butylbenzene	14.059	91	30326	4.434	ug/l	97
90) Hexachloroethane	14.335	117	6726	4.771	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	18937	4.853	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2865	5.066	ug/l	77
93) 1,2,4-Trichlorobenzene	15.394	180	9285	4.245	ug/l	93
94) Hexachlorobutadiene	15.505	225	4449	4.635	ug/l	99
95) Naphthalene	15.641	128	28779	4.198	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	9052	4.134	ug/l	95

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

