

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082180.D
 Acq On : 17 May 2024 15:49
 Operator : JC\MD
 Sample : VN0517WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2024
 Supervised By : Mahesh Dadoda 05/20/2024

Quant Time: May 17 23:11:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	155184	51.276	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.560%			
35) Dibromofluoromethane	8.165	113	105787	52.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.660%			
50) Toluene-d8	10.565	98	408221	52.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.853	95	144128	52.098	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 104.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53736	19.446	ug/l	99
3) Chloromethane	2.359	50	59723	19.070	ug/l	100
4) Vinyl Chloride	2.518	62	55088	18.711	ug/l	99
5) Bromomethane	2.959	94	32292	19.082	ug/l	94
6) Chloroethane	3.124	64	37416	19.463	ug/l	96
7) Trichlorofluoromethane	3.500	101	76673	19.888	ug/l	97
8) Diethyl Ether	3.959	74	26443	19.254	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.377	101	43626	19.371	ug/l	97
10) Methyl Iodide	4.594	142	35663	15.752	ug/l	96
11) Tert butyl alcohol	5.518	59	47432	97.634	ug/l	99
12) 1,1-Dichloroethene	4.341	96	39719	18.975	ug/l #	73
13) Acrolein	4.183	56	26501	73.613	ug/l	94
14) Allyl chloride	5.024	41	90043	20.092	ug/l #	85
15) Acrylonitrile	5.724	53	124206	98.717	ug/l	99
16) Acetone	4.430	43	113460	91.389	ug/l	92
17) Carbon Disulfide	4.712	76	122349	18.097	ug/l	100
18) Methyl Acetate	5.018	43	60372	19.526	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	149709	19.567	ug/l	96
20) Methylene Chloride	5.283	84	48656	19.425	ug/l #	75
21) trans-1,2-Dichloroethene	5.788	96	44225	19.388	ug/l #	80
22) Diisopropyl ether	6.677	45	183781	19.639	ug/l #	91
23) Vinyl Acetate	6.606	43	725965	98.393	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	93896	19.466	ug/l	97
25) 2-Butanone	7.482	43	180240	95.754	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	79135	19.587	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	52774	19.604	ug/l	81
28) Bromochloromethane	7.812	49	42808	19.812	ug/l #	74
29) Tetrahydrofuran	7.841	42	118823	98.318	ug/l #	82
30) Chloroform	7.965	83	90675	19.686	ug/l	97
31) Cyclohexane	8.259	56	86736	17.944	ug/l	85
32) 1,1,1-Trichloroethane	8.165	97	80372	19.668	ug/l	94
36) 1,1-Dichloropropene	8.371	75	66510	19.616	ug/l	95
37) Ethyl Acetate	7.559	43	74489	19.630	ug/l #	93
38) Carbon Tetrachloride	8.365	117	67622	19.674	ug/l	96
39) Methylcyclohexane	9.600	83	72728	19.568	ug/l #	86
40) Benzene	8.606	78	201469	19.926	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	42317	18.962	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	77533	19.938	ug/l	95
43) Isopropyl Acetate	8.688	43	142859	21.247	ug/l #	86
44) Trichloroethene	9.353	130	44720	19.471	ug/l	97
45) 1,2-Dichloropropane	9.623	63	52189	20.005	ug/l	98
46) Dibromomethane	9.712	93	33611	19.624	ug/l	98
47) Bromodichloromethane	9.894	83	71624	19.809	ug/l	96
48) Methyl methacrylate	9.682	41	62066	19.372	ug/l #	82
49) 1,4-Dioxane	9.694	88	18798	418.714	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	383198	100.309	ug/l	90
52) Toluene	10.629	92	122649	20.214	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	74631	19.958	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	79232	20.017	ug/l #	77
55) 1,1,2-Trichloroethane	11.018	97	44288	20.085	ug/l	97
56) Ethyl methacrylate	10.876	69	73998	19.766	ug/l #	69
57) 1,3-Dichloropropane	11.165	76	81244	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	202518	104.878	ug/l	90
59) 2-Hexanone	11.194	43	280973	100.449	ug/l	88
60) Dibromochloromethane	11.365	129	50746	20.854	ug/l	99
61) 1,2-Dibromoethane	11.470	107	45612	20.139	ug/l	95
64) Tetrachloroethene	11.106	164	44034	19.732	ug/l	95
65) Chlorobenzene	11.894	112	129173	19.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	44442	20.285	ug/l	98
67) Ethyl Benzene	11.964	91	229256	19.268	ug/l	98
68) m/p-Xylenes	12.076	106	172949	39.661	ug/l	94
69) o-Xylene	12.400	106	81513	19.297	ug/l	91
70) Styrene	12.412	104	140050	19.961	ug/l	96
71) Bromoform	12.582	173	32275	18.964	ug/l #	97
73) Isopropylbenzene	12.700	105	211083	19.461	ug/l	98
74) N-amyl acetate	12.494	43	112136	18.795	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.935	83	61338	19.618	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	58979m	20.524	ug/l	
77) Bromobenzene	12.982	156	48820	18.887	ug/l	84
78) n-propylbenzene	13.035	91	254979	19.852	ug/l	97
79) 2-Chlorotoluene	13.123	91	155900	19.330	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	176733	20.151	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	21766m	17.716	ug/l	
82) 4-Chlorotoluene	13.223	91	156549	19.852	ug/l	93
83) tert-Butylbenzene	13.441	119	149478	19.482	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	178462	19.889	ug/l	98
85) sec-Butylbenzene	13.617	105	209867	19.733	ug/l	97
86) p-Isopropyltoluene	13.729	119	173994	20.131	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	91693	19.580	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	92257	19.302	ug/l	96
89) n-Butylbenzene	14.058	91	153197	19.720	ug/l	98
90) Hexachloroethane	14.335	117	30741	19.197	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	89545	20.201	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12700	19.770	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	49140	19.777	ug/l	97
94) Hexachlorobutadiene	15.500	225	20857	19.130	ug/l	99
95) Naphthalene	15.641	128	147544	18.948	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	48408	19.461	ug/l	100

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

