

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061424\
 Data File : VN082573.D
 Acq On : 14 Jun 2024 11:01
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/17/2024
 Supervised By : Mahesh Dadoda 06/17/2024

Quant Time: Jun 14 23:42:19 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	171576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134525	49.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.300%		
35) Dibromofluoromethane	8.171	113	97475	57.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.560%		
50) Toluene-d8	10.570	98	345054	52.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.780%		
62) 4-Bromofluorobenzene	12.853	95	134077	57.580	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	115.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	133540	53.984	ug/l	99
3) Chloromethane	2.359	50	143486	51.182	ug/l	98
4) Vinyl Chloride	2.512	62	140353	53.254	ug/l	97
5) Bromomethane	2.947	94	81911	54.071	ug/l	96
6) Chloroethane	3.118	64	93457	54.307	ug/l	99
7) Trichlorofluoromethane	3.494	101	190825	55.293	ug/l	97
8) Diethyl Ether	3.959	74	69182	56.271	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.371	101	110639	54.880	ug/l	98
10) Methyl Iodide	4.583	142	116757	57.610	ug/l	96
11) Tert butyl alcohol	5.524	59	108030	248.407	ug/l	99
12) 1,1-Dichloroethene	4.341	96	102780	54.850	ug/l #	79
13) Acrolein	4.183	56	86090	267.136	ug/l	98
14) Allyl chloride	5.024	41	228004	56.833	ug/l #	85
15) Acrylonitrile	5.718	53	315011	279.683	ug/l	98
16) Acetone	4.424	43	314036	282.566	ug/l	91
17) Carbon Disulfide	4.712	76	293690	48.527	ug/l	99
18) Methyl Acetate	5.024	43	168504	60.881	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	388539	56.728	ug/l	93
20) Methylene Chloride	5.277	84	121171	54.038	ug/l #	77
21) trans-1,2-Dichloroethene	5.788	96	111199	54.456	ug/l #	82
22) Diisopropyl ether	6.671	45	465664	55.587	ug/l #	93
23) Vinyl Acetate	6.606	43	1851729	280.359	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	237476	54.998	ug/l	98
25) 2-Butanone	7.482	43	475688	282.304	ug/l #	85
26) 2,2-Dichloropropane	7.488	77	211289	58.421	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	136350	56.580	ug/l	82
28) Bromochloromethane	7.812	49	92290	49.139	ug/l #	76
29) Tetrahydrofuran	7.841	42	303146	280.204	ug/l #	83
30) Chloroform	7.965	83	235458	57.104	ug/l	99
31) Cyclohexane	8.259	56	212365	49.078	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	210145	57.447	ug/l	94
36) 1,1-Dichloropropene	8.377	75	164413	57.610	ug/l	96
37) Ethyl Acetate	7.559	43	189229	59.248	ug/l #	93
38) Carbon Tetrachloride	8.365	117	179884	62.179	ug/l	95
39) Methylcyclohexane	9.600	83	180480	57.694	ug/l #	84
40) Benzene	8.606	78	511845	60.144	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	108558	57.794	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	191945	58.643	ug/l	95
43) Isopropyl Acetate	8.688	43	364088	64.334	ug/l #	87
44) Trichloroethene	9.353	130	114115	59.030	ug/l	94
45) 1,2-Dichloropropane	9.623	63	129223	58.851	ug/l	100
46) Dibromomethane	9.712	93	88869	61.647	ug/l	99
47) Bromodichloromethane	9.888	83	189779	62.359	ug/l	98
48) Methyl methacrylate	9.682	41	164466	60.989	ug/l #	82
49) 1,4-Dioxane	9.694	88	48333	1279.071	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	992642	308.712	ug/l	90
52) Toluene	10.635	92	315476	61.772	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	203493	64.652	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	209755	62.958	ug/l #	82
55) 1,1,2-Trichloroethane	11.018	97	116818	62.942	ug/l	97
56) Ethyl methacrylate	10.876	69	200080	63.497	ug/l #	73
57) 1,3-Dichloropropane	11.165	76	210302	60.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	428247	263.487	ug/l	91
59) 2-Hexanone	11.200	43	754241	320.359	ug/l	90
60) Dibromochloromethane	11.359	129	141761	69.213	ug/l	98
61) 1,2-Dibromoethane	11.470	107	117467	61.620	ug/l	100
64) Tetrachloroethene	11.106	164	114363	59.721	ug/l	96
65) Chlorobenzene	11.894	112	339561	59.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	121424	64.587	ug/l	100
67) Ethyl Benzene	11.965	91	613927	60.130	ug/l	99
68) m/p-Xylenes	12.070	106	465171	124.311	ug/l	95
69) o-Xylene	12.400	106	220969	60.961	ug/l	93
70) Styrene	12.412	104	383284	63.660	ug/l	96
71) Bromoform	12.582	173	94858	63.251	ug/l #	99
73) Isopropylbenzene	12.700	105	574991	54.648	ug/l	99
74) N-amyl acetate	12.494	43	293942	50.788	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	165586	54.594	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	161146m	57.808	ug/l	
77) Bromobenzene	12.982	156	137321	54.765	ug/l	89
78) n-propylbenzene	13.035	91	695831	55.847	ug/l	97
79) 2-Chlorotoluene	13.129	91	418777	53.526	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	482914	56.761	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	69804m	58.570	ug/l	
82) 4-Chlorotoluene	13.223	91	421470	55.097	ug/l	95
83) tert-Butylbenzene	13.441	119	410324	55.128	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	492692	56.604	ug/l	96
85) sec-Butylbenzene	13.617	105	579906	56.210	ug/l	99
86) p-Isopropyltoluene	13.729	119	486098	57.976	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	258111	56.818	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	257519	55.542	ug/l	98
89) n-Butylbenzene	14.059	91	429070	56.936	ug/l	99
90) Hexachloroethane	14.335	117	93528	60.207	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	244795	56.928	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35127	56.369	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	133691	55.465	ug/l	99
94) Hexachlorobutadiene	15.500	225	57330	54.205	ug/l	98
95) Naphthalene	15.641	128	430781	57.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	135478	56.146	ug/l	97

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

