

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082040.D
 Acq On : 09 May 2024 10:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 03:46:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	146971	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	302385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129434	52.181	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.360%			
35) Dibromofluoromethane	8.165	113	92042	50.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.120%			
50) Toluene-d8	10.565	98	388149	54.284	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.853	95	135073	47.787	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	106610	51.674	ug/l	98
3) Chloromethane	2.359	50	121313	56.365	ug/l	100
4) Vinyl Chloride	2.518	62	120179	61.685	ug/l	100
5) Bromomethane	2.953	94	53398	66.068	ug/l	93
6) Chloroethane	3.124	64	73738	74.884	ug/l	96
7) Trichlorofluoromethane	3.500	101	153531	50.942	ug/l	98
8) Diethyl Ether	3.953	74	72379	56.535	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	106583	60.913	ug/l	89
10) Methyl Iodide	4.589	142	100446	65.542	ug/l	# 96
11) Tert butyl alcohol	5.518	59	101795	225.745	ug/l	97
12) 1,1-Dichloroethene	4.342	96	102369	57.508	ug/l	87
13) Acrolein	4.177	56	81179	230.190	ug/l	97
14) Allyl chloride	5.018	41	189548	50.340	ug/l	90
15) Acrylonitrile	5.712	53	322114	297.485	ug/l	97
16) Acetone	4.424	43	225830	309.172	ug/l	98
17) Carbon Disulfide	4.718	76	266849	49.876	ug/l	98
18) Methyl Acetate	5.024	43	154883	61.646	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	375466	55.898	ug/l	# 89
20) Methylene Chloride	5.277	84	123592	58.140	ug/l	# 79
21) trans-1,2-Dichloroethene	5.794	96	107919	55.604	ug/l	88
22) Diisopropyl ether	6.671	45	452849	62.153	ug/l	# 94
23) Vinyl Acetate	6.606	43	1723490	291.126	ug/l	# 91
24) 1,1-Dichloroethane	6.571	63	234423	61.815	ug/l	96
25) 2-Butanone	7.483	43	410056	291.262	ug/l	92
26) 2,2-Dichloropropane	7.488	77	195508	56.042	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	134756	59.417	ug/l	85
28) Bromochloromethane	7.818	49	105520	58.544	ug/l	# 73
29) Tetrahydrofuran	7.835	42	276090	273.467	ug/l	88
30) Chloroform	7.965	83	216257	57.530	ug/l	94
31) Cyclohexane	8.253	56	211119	56.499	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	175953	52.488	ug/l	94
36) 1,1-Dichloropropene	8.371	75	156510	52.841	ug/l	96
37) Ethyl Acetate	7.559	43	176002	54.958	ug/l	97
38) Carbon Tetrachloride	8.365	117	141234	48.788	ug/l	97
39) Methylcyclohexane	9.600	83	190874	53.062	ug/l	89
40) Benzene	8.606	78	512694	57.661	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	94258	46.128	ug/l	93
42) 1,2-Dichloroethane	8.671	62	166217	50.343	ug/l	97
43) Isopropyl Acetate	8.688	43	310486	51.563	ug/l	94
44) Trichloroethene	9.353	130	102602	50.050	ug/l	80
45) 1,2-Dichloropropane	9.624	63	136903	58.833	ug/l	91
46) Dibromomethane	9.712	93	82941	51.569	ug/l	89
47) Bromodichloromethane	9.888	83	173850	51.254	ug/l #	98
48) Methyl methacrylate	9.682	41	146772	51.058	ug/l	87
49) 1,4-Dioxane	9.694	88	41133	941.450	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	919960	271.392	ug/l	93
52) Toluene	10.629	92	305012	57.282	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	192414	52.134	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	208152	54.721	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	114697	54.771	ug/l	97
56) Ethyl methacrylate	10.876	69	207941	52.147	ug/l	87
57) 1,3-Dichloropropane	11.165	76	211115	56.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	416772	229.429	ug/l	89
59) 2-Hexanone	11.194	43	694688	275.376	ug/l	94
60) Dibromochloromethane	11.359	129	119111	53.701	ug/l	99
61) 1,2-Dibromoethane	11.471	107	106561	53.211	ug/l	99
64) Tetrachloroethene	11.106	164	84805	43.699	ug/l	91
65) Chlorobenzene	11.894	112	321522	55.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	100479	52.984	ug/l	95
67) Ethyl Benzene	11.965	91	583639	53.783	ug/l	95
68) m/p-Xylenes	12.070	106	429041	110.842	ug/l	93
69) o-Xylene	12.400	106	213704	56.550	ug/l	97
70) Styrene	12.412	104	361796	55.343	ug/l	97
71) Bromoform	12.582	173	66757	44.777	ug/l #	98
73) Isopropylbenzene	12.694	105	542139	55.298	ug/l	98
74) N-amyl acetate	12.494	43	289794	53.092	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	163445	55.516	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	148536m	51.953	ug/l	
77) Bromobenzene	12.982	156	108140	52.711	ug/l	67
78) n-propylbenzene	13.035	91	675057	56.686	ug/l	95
79) 2-Chlorotoluene	13.123	91	394974	52.130	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	442069	53.286	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	66552	47.699	ug/l	95
82) 4-Chlorotoluene	13.223	91	392186	53.316	ug/l	93
83) tert-Butylbenzene	13.441	119	374800	54.250	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	448329	54.114	ug/l	98
85) sec-Butylbenzene	13.617	105	559308	57.473	ug/l	95
86) p-Isopropyltoluene	13.729	119	424093	54.274	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	206668	53.988	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	204763	54.319	ug/l	95
89) n-Butylbenzene	14.059	91	426031	58.575	ug/l	97
90) Hexachloroethane	14.335	117	80407	52.310	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	203827	55.543	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30408	42.424	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	107610	52.415	ug/l	98
94) Hexachlorobutadiene	15.500	225	38022	50.246	ug/l	99
95) Naphthalene	15.641	128	402423	51.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	102553	52.027	ug/l	96

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

