

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082831.D
 Acq On : 08 Jul 2024 19:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/09/2024
 Supervised By : Mahesh Dadoda 07/09/2024

Quant Time: Jul 09 06:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	125879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	203250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102004	57.807	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.620%			
35) Dibromofluoromethane	8.171	113	77055	55.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.920%			
50) Toluene-d8	10.571	98	297324	57.935	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.860%#			
62) 4-Bromofluorobenzene	12.853	95	105432	57.192	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 114.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	96262	59.067	ug/l	96
3) Chloromethane	2.359	50	88900	57.521	ug/l	96
4) Vinyl Chloride	2.512	62	95529	58.853	ug/l	98
5) Bromomethane	2.942	94	57568	49.190	ug/l	97
6) Chloroethane	3.107	64	64802	58.340	ug/l	96
7) Trichlorofluoromethane	3.489	101	136990	58.678	ug/l	96
8) Diethyl Ether	3.965	74	46869	58.660	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.359	101	75560	57.185	ug/l	99
10) Methyl Iodide	4.589	142	83848	61.895	ug/l	96
11) Tert butyl alcohol	5.536	59	84970	286.297	ug/l	100
12) 1,1-Dichloroethene	4.336	96	71578	55.702	ug/l	90
13) Acrolein	4.177	56	64146	299.364	ug/l	99
14) Allyl chloride	5.024	41	120151	59.968	ug/l	92
15) Acrylonitrile	5.718	53	208802	306.129	ug/l	99
16) Acetone	4.430	43	179683	289.224	ug/l	98
17) Carbon Disulfide	4.706	76	204970	53.380	ug/l	98
18) Methyl Acetate	5.030	43	99386	60.457	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	254316	57.373	ug/l	98
20) Methylene Chloride	5.277	84	83384	55.576	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	76025	54.601	ug/l	88
22) Diisopropyl ether	6.671	45	250840	59.842	ug/l #	95
23) Vinyl Acetate	6.606	43	1044208	313.691	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	146931	57.788	ug/l	99
25) 2-Butanone	7.489	43	284738	303.537	ug/l	92
26) 2,2-Dichloropropane	7.489	77	111241	47.056	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	92539	56.769	ug/l	89
28) Bromochloromethane	7.818	49	60058	55.061	ug/l #	81
29) Tetrahydrofuran	7.841	42	188789	319.676	ug/l #	87
30) Chloroform	7.971	83	155360	57.597	ug/l	97
31) Cyclohexane	8.259	56	125089	54.223	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	143009	57.104	ug/l	97
36) 1,1-Dichloropropene	8.371	75	108179	56.468	ug/l	99
37) Ethyl Acetate	7.565	43	117413	60.199	ug/l #	95
38) Carbon Tetrachloride	8.365	117	128981	55.918	ug/l	98
39) Methylcyclohexane	9.606	83	115008	55.577	ug/l	93
40) Benzene	8.606	78	331835	56.311	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	60303	57.390	ug/l	90
42) 1,2-Dichloroethane	8.671	62	120247	56.682	ug/l	98
43) Isopropyl Acetate	8.694	43	206175	56.444	ug/l #	94
44) Trichloroethene	9.353	130	82313	54.521	ug/l	96
45) 1,2-Dichloropropane	9.624	63	81535	59.265	ug/l	100
46) Dibromomethane	9.712	93	61444	57.328	ug/l	98
47) Bromodichloromethane	9.888	83	126599	57.166	ug/l	100
48) Methyl methacrylate	9.683	41	93098	60.875	ug/l	90
49) 1,4-Dioxane	9.700	88	39290	1186.300	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	606909	313.877	ug/l	94
52) Toluene	10.635	92	211303	57.402	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	129377	56.709	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	133694	55.364	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	79707	58.884	ug/l	96
56) Ethyl methacrylate	10.877	69	134544	63.887	ug/l	88
57) 1,3-Dichloropropane	11.165	76	139728	58.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	341062	315.616	ug/l	96
59) 2-Hexanone	11.200	43	462431	321.671	ug/l	93
60) Dibromochloromethane	11.359	129	99859	57.921	ug/l	99
61) 1,2-Dibromoethane	11.471	107	83671	58.206	ug/l	97
64) Tetrachloroethene	11.106	164	80931	53.371	ug/l	96
65) Chlorobenzene	11.894	112	232070	53.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	85188	54.989	ug/l	98
67) Ethyl Benzene	11.965	91	402998	55.054	ug/l	96
68) m/p-Xylenes	12.071	106	313628	113.486	ug/l	98
69) o-Xylene	12.400	106	150137	56.698	ug/l	95
70) Styrene	12.412	104	261306	59.723	ug/l	98
71) Bromoform	12.582	173	70870	58.170	ug/l #	99
73) Isopropylbenzene	12.700	105	382483	54.706	ug/l	98
74) N-amyl acetate	12.494	43	170655	59.010	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	116060	55.428	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	93511m	56.371	ug/l	
77) Bromobenzene	12.982	156	93826	52.019	ug/l	96
78) n-propylbenzene	13.035	91	443163	55.129	ug/l	98
79) 2-Chlorotoluene	13.129	91	270717	52.855	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	321620	56.909	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	48482	57.480	ug/l	93
82) 4-Chlorotoluene	13.223	91	268887	53.038	ug/l	97
83) tert-Butylbenzene	13.441	119	271044	54.098	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	322307	55.955	ug/l	99
85) sec-Butylbenzene	13.618	105	373709	55.196	ug/l	99
86) p-Isopropyltoluene	13.729	119	315496	55.851	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	170220	52.241	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	172291	51.129	ug/l	98
89) n-Butylbenzene	14.059	91	256865	53.077	ug/l	99
90) Hexachloroethane	14.335	117	62748	52.497	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	164994	52.154	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26001	53.674	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	84988	49.873	ug/l	98
94) Hexachlorobutadiene	15.500	225	35665	47.211	ug/l	98
95) Naphthalene	15.641	128	309070	52.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	88941	50.761	ug/l	97

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

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