

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070924\
 Data File : VN082833.D
 Acq On : 09 Jul 2024 10:29
 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 07/10/2024
 Supervised By :Mahesh Dadoda 07/10/2024

Quant Time: Jul 10 01:17:50 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	133012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	222734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105234	56.439	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.880%			
35) Dibromofluoromethane	8.165	113	80623	56.410	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.820%			
50) Toluene-d8	10.571	98	308300	58.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 116.800%#			
62) 4-Bromofluorobenzene	12.847	95	108331	57.131	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 114.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	95817	55.641	ug/l	99
3) Chloromethane	2.359	50	91624	56.104	ug/l	97
4) Vinyl Chloride	2.512	62	98052	57.168	ug/l	99
5) Bromomethane	2.948	94	61983	50.122	ug/l	97
6) Chloroethane	3.112	64	61643	52.520	ug/l	99
7) Trichlorofluoromethane	3.495	101	120019	48.652	ug/l	91
8) Diethyl Ether	3.959	74	40782	48.305	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	71259	51.038	ug/l	97
10) Methyl Iodide	4.589	142	70419	49.194	ug/l	96
11) Tert butyl alcohol	5.530	59	77012	245.568	ug/l	100
12) 1,1-Dichloroethene	4.336	96	65663	48.359	ug/l	92
13) Acrolein	4.177	56	45377	200.414	ug/l	97
14) Allyl chloride	5.024	41	100021	47.244	ug/l #	96
15) Acrylonitrile	5.718	53	194199	269.451	ug/l	100
16) Acetone	4.430	43	148091	225.590	ug/l	96
17) Carbon Disulfide	4.712	76	191237	47.132	ug/l	99
18) Methyl Acetate	5.018	43	87860	50.580	ug/l #	90
19) Methyl tert-butyl Ether	5.795	73	246524	52.633	ug/l	99
20) Methylene Chloride	5.271	84	80849	50.997	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	78119	53.097	ug/l	92
22) Diisopropyl ether	6.671	45	253148	57.154	ug/l #	96
23) Vinyl Acetate	6.606	43	1022989	290.837	ug/l	95
24) 1,1-Dichloroethane	6.571	63	148805	55.386	ug/l	97
25) 2-Butanone	7.483	43	270832	273.230	ug/l	94
26) 2,2-Dichloropropane	7.494	77	134298	53.762	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	92863	53.913	ug/l	90
28) Bromochloromethane	7.812	49	61766	53.590	ug/l #	84
29) Tetrahydrofuran	7.841	42	177408	284.295	ug/l #	88
30) Chloroform	7.965	83	154898	54.346	ug/l	96
31) Cyclohexane	8.259	56	125565	51.510	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	143047	54.056	ug/l	97
36) 1,1-Dichloropropene	8.371	75	110557	56.105	ug/l	98
37) Ethyl Acetate	7.559	43	109043	54.353	ug/l #	94
38) Carbon Tetrachloride	8.365	117	128458	54.143	ug/l	96
39) Methylcyclohexane	9.606	83	118054	55.463	ug/l	92
40) Benzene	8.606	78	332651	54.880	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	59041	54.627	ug/l	93
42) 1,2-Dichloroethane	8.671	62	122402	56.094	ug/l	98
43) Isopropyl Acetate	8.688	43	203657	54.080	ug/l #	95
44) Trichloroethene	9.353	130	81743	52.639	ug/l	95
45) 1,2-Dichloropropane	9.624	63	82153	58.054	ug/l	99
46) Dibromomethane	9.712	93	60735	55.091	ug/l	98
47) Bromodichloromethane	9.888	83	127535	55.988	ug/l	99
48) Methyl methacrylate	9.683	41	87744	55.779	ug/l #	88
49) 1,4-Dioxane	9.694	88	36532	1069.377	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	575754	289.485	ug/l	94
52) Toluene	10.630	92	212418	56.100	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	129711	55.275	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	134745	54.248	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	79651	57.207	ug/l	95
56) Ethyl methacrylate	10.877	69	126603	58.445	ug/l	88
57) 1,3-Dichloropropane	11.165	76	137599	55.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	324802	292.212	ug/l	96
59) 2-Hexanone	11.194	43	433270	293.006	ug/l	93
60) Dibromochloromethane	11.359	129	98074	55.304	ug/l	100
61) 1,2-Dibromoethane	11.471	107	81542	55.148	ug/l	97
64) Tetrachloroethene	11.106	164	80731	51.661	ug/l	98
65) Chlorobenzene	11.894	112	235208	52.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	84376	52.851	ug/l	99
67) Ethyl Benzene	11.965	91	401524	53.227	ug/l	99
68) m/p-Xylenes	12.071	106	319932	112.336	ug/l	95
69) o-Xylene	12.400	106	151221	55.415	ug/l	94
70) Styrene	12.412	104	258057	57.233	ug/l	99
71) Bromoform	12.582	173	67586	53.830	ug/l #	99
73) Isopropylbenzene	12.694	105	382774	51.081	ug/l	98
74) N-amyl acetate	12.494	43	163661	52.801	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	110525	49.249	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	105545m	59.364	ug/l	
77) Bromobenzene	12.982	156	95918	49.617	ug/l	95
78) n-propylbenzene	13.035	91	453122	52.592	ug/l	98
79) 2-Chlorotoluene	13.129	91	276072	50.290	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	322175	53.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	45757	50.616	ug/l	93
82) 4-Chlorotoluene	13.223	91	279093	51.364	ug/l	98
83) tert-Butylbenzene	13.441	119	271372	50.535	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	328142	53.152	ug/l	97
85) sec-Butylbenzene	13.618	105	380019	52.369	ug/l	99
86) p-Isopropyltoluene	13.729	119	322740	53.307	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	176378	50.506	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	178353	49.383	ug/l	98
89) n-Butylbenzene	14.059	91	268274	51.721	ug/l	99
90) Hexachloroethane	14.335	117	63388	49.480	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	167933	49.527	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24693	47.560	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	89804	49.169	ug/l	99
94) Hexachlorobutadiene	15.500	225	38255	47.247	ug/l	98
95) Naphthalene	15.641	128	300356	48.014	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	90821	48.362	ug/l	96

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

