

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071924\
 Data File : VN082994.D
 Acq On : 19 Jul 2024 17:23
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/22/2024
 Supervised By :Mahesh Dadoda 07/22/2024

Quant Time: Jul 22 02:08:08 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	85039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	148910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	139868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	62708	52.604	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.200%			
35) Dibromofluoromethane	8.171	113	49617	51.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.860%			
50) Toluene-d8	10.565	98	183969	52.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.853	95	62011	48.916	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53985	49.034	ug/l	96
3) Chloromethane	2.365	50	42691	40.888	ug/l	96
4) Vinyl Chloride	2.512	62	52120	47.530	ug/l	98
5) Bromomethane	2.936	94	25070	31.709	ug/l	91
6) Chloroethane	3.106	64	43885	58.483	ug/l	94
7) Trichlorofluoromethane	3.489	101	82709	52.442	ug/l	97
8) Diethyl Ether	3.965	74	27683	51.287	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	48983	54.875	ug/l	99
10) Methyl Iodide	4.589	142	30006	32.787	ug/l #	91
11) Tert butyl alcohol	5.530	59	46733	233.082	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	44154	50.862	ug/l	90
13) Acrolein	4.183	56	36677	253.372	ug/l	97
14) Allyl chloride	5.024	41	64726	47.819	ug/l #	93
15) Acrylonitrile	5.718	53	129444	280.923	ug/l	99
16) Acetone	4.430	43	111283	265.150	ug/l	95
17) Carbon Disulfide	4.706	76	116105	44.758	ug/l	98
18) Methyl Acetate	5.024	43	71212	64.123	ug/l #	90
19) Methyl tert-butyl Ether	5.795	73	164905	55.069	ug/l	93
20) Methylene Chloride	5.271	84	54259	53.532	ug/l #	80
21) trans-1,2-Dichloroethene	5.783	96	48802	51.882	ug/l	84
22) Diisopropyl ether	6.671	45	166715	58.874	ug/l #	93
23) Vinyl Acetate	6.606	43	617897	274.768	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	97414	56.713	ug/l	98
25) 2-Butanone	7.483	43	173762	274.193	ug/l #	89
26) 2,2-Dichloropropane	7.489	77	86482	54.151	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	59283	53.833	ug/l	91
28) Bromochloromethane	7.818	49	43122	58.520	ug/l #	82
29) Tetrahydrofuran	7.841	42	111674	279.911	ug/l #	84
30) Chloroform	7.971	83	107011	58.725	ug/l	98
31) Cyclohexane	8.259	56	71865	46.112	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	94094	55.616	ug/l	97
36) 1,1-Dichloropropene	8.371	75	71158	54.014	ug/l	99
37) Ethyl Acetate	7.565	43	71676	53.440	ug/l #	95
38) Carbon Tetrachloride	8.359	117	81643	51.471	ug/l	99
39) Methylcyclohexane	9.600	83	67997	47.783	ug/l	92
40) Benzene	8.606	78	219593	54.188	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	39074	54.076	ug/l #	91
42) 1,2-Dichloroethane	8.671	62	80538	55.206	ug/l	97
43) Isopropyl Acetate	8.688	43	128194	50.733	ug/l #	94
44) Trichloroethene	9.353	130	51446	49.553	ug/l	95
45) 1,2-Dichloropropane	9.624	63	54414	57.515	ug/l	95
46) Dibromomethane	9.712	93	40906	55.500	ug/l	99
47) Bromodichloromethane	9.888	83	86057	56.508	ug/l	97
48) Methyl methacrylate	9.682	41	57705	54.869	ug/l #	86
49) 1,4-Dioxane	9.700	88	22705	992.317	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	391697	294.579	ug/l	95
52) Toluene	10.629	92	140709	55.585	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	87084	55.508	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	89395	53.832	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	55084	59.176	ug/l	98
56) Ethyl methacrylate	10.877	69	87150	60.178	ug/l	87
57) 1,3-Dichloropropane	11.165	76	94580	57.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	224909	302.656	ug/l	97
59) 2-Hexanone	11.194	43	291902	295.269	ug/l	94
60) Dibromochloromethane	11.359	129	66516	56.103	ug/l	99
61) 1,2-Dibromoethane	11.471	107	54466	55.098	ug/l	99
64) Tetrachloroethene	11.106	164	47529	45.547	ug/l	96
65) Chlorobenzene	11.894	112	157010	52.386	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	57778	54.197	ug/l	99
67) Ethyl Benzene	11.965	91	268925	53.387	ug/l	98
68) m/p-Xylenes	12.071	106	209985	110.415	ug/l	97
69) o-Xylene	12.400	106	100336	55.062	ug/l	96
70) Styrene	12.412	104	178545	59.300	ug/l	97
71) Bromoform	12.582	173	45238	53.957	ug/l #	99
73) Isopropylbenzene	12.694	105	253835	49.840	ug/l	99
74) N-amyl acetate	12.494	43	111714	53.029	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	82481	54.075	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	72202m	59.751	ug/l	
77) Bromobenzene	12.982	156	63642	48.438	ug/l	95
78) n-propylbenzene	13.035	91	302802	51.710	ug/l	99
79) 2-Chlorotoluene	13.123	91	184817	49.535	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	212115	51.525	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	29069	47.312	ug/l	92
82) 4-Chlorotoluene	13.223	91	184504	49.961	ug/l	96
83) tert-Butylbenzene	13.441	119	182065	49.885	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	219523	52.318	ug/l	98
85) sec-Butylbenzene	13.618	105	251509	50.995	ug/l	99
86) p-Isopropyltoluene	13.729	119	210972	51.270	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	117627	49.558	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	116313	47.385	ug/l	99
89) n-Butylbenzene	14.059	91	175962	49.914	ug/l	100
90) Hexachloroethane	14.335	117	41220	47.342	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	116002	50.336	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16617	47.090	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	55878	45.014	ug/l	99
94) Hexachlorobutadiene	15.500	225	23183	42.128	ug/l	98
95) Naphthalene	15.641	128	200907	47.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	58017	45.456	ug/l	97

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

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