

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071524\
 Data File : VN082927.D
 Acq On : 15 Jul 2024 19:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2024
 Supervised By : Mahesh Dadoda 07/16/2024

Quant Time: Jul 16 01:26:14 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	113322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	192244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	184805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	92457	58.202	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.400%			
35) Dibromofluoromethane	8.171	113	71444	57.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.840%			
50) Toluene-d8	10.571	98	263826	57.905	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.800%#			
62) 4-Bromofluorobenzene	12.853	95	93149	56.915	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 113.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77506	52.828	ug/l	96
3) Chloromethane	2.359	50	73571	52.877	ug/l	95
4) Vinyl Chloride	2.506	62	80144	54.846	ug/l	99
5) Bromomethane	2.924	94	46523	44.157	ug/l	98
6) Chloroethane	3.100	64	53810	53.812	ug/l	97
7) Trichlorofluoromethane	3.483	101	94728	45.072	ug/l	95
8) Diethyl Ether	3.959	74	32647	45.388	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.359	101	57321	48.189	ug/l	97
10) Methyl Iodide	4.577	142	51814	42.486	ug/l	98
11) Tert butyl alcohol	5.541	59	73032	273.340	ug/l	98
12) 1,1-Dichloroethene	4.330	96	52388	45.286	ug/l	84
13) Acrolein	4.183	56	54362	281.815	ug/l	100
14) Allyl chloride	5.018	41	87261	48.378	ug/l	91
15) Acrylonitrile	5.724	53	184207	299.996	ug/l	99
16) Acetone	4.430	43	146097	261.221	ug/l	90
17) Carbon Disulfide	4.700	76	143575	41.534	ug/l	100
18) Methyl Acetate	5.030	43	87462	59.099	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	201301	50.445	ug/l	98
20) Methylene Chloride	5.271	84	65561	48.539	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	61386	48.973	ug/l	89
22) Diisopropyl ether	6.677	45	230954	61.203	ug/l	97
23) Vinyl Acetate	6.606	43	927855	309.624	ug/l	95
24) 1,1-Dichloroethane	6.571	63	133612	58.372	ug/l	98
25) 2-Butanone	7.488	43	282618	334.661	ug/l	93
26) 2,2-Dichloropropane	7.488	77	102964	48.381	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	81658	55.645	ug/l	89
28) Bromochloromethane	7.818	49	58289	59.360	ug/l	85
29) Tetrahydrofuran	7.841	42	188108	353.818	ug/l	89
30) Chloroform	7.965	83	141053	58.087	ug/l	96
31) Cyclohexane	8.259	56	102242	49.230	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	125536	55.681	ug/l	98
36) 1,1-Dichloropropene	8.371	75	92432	54.347	ug/l	99
37) Ethyl Acetate	7.565	43	116108	67.054	ug/l	96
38) Carbon Tetrachloride	8.365	117	111895	54.642	ug/l	97
39) Methylcyclohexane	9.606	83	90088	49.037	ug/l	94
40) Benzene	8.606	78	296033	56.585	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	60461	64.813	ug/l	95
42) 1,2-Dichloroethane	8.671	62	108033	57.361	ug/l	98
43) Isopropyl Acetate	8.694	43	187416	57.869	ug/l #	94
44) Trichloroethene	9.353	130	68690	51.248	ug/l	96
45) 1,2-Dichloropropane	9.624	63	74547	61.034	ug/l	97
46) Dibromomethane	9.712	93	55348	58.167	ug/l	99
47) Bromodichloromethane	9.888	83	114594	58.285	ug/l	99
48) Methyl methacrylate	9.682	41	87776	64.649	ug/l	92
49) 1,4-Dioxane	9.700	88	38535	1314.591	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	607527	353.907	ug/l	95
52) Toluene	10.635	92	186665	57.118	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	112408	55.499	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	117759	54.928	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	73650	61.286	ug/l	98
56) Ethyl methacrylate	10.876	69	120632	64.521	ug/l	89
57) 1,3-Dichloropropane	11.165	76	126601	59.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	310178	323.314	ug/l	97
59) 2-Hexanone	11.200	43	467573	366.355	ug/l	94
60) Dibromochloromethane	11.365	129	89754	58.639	ug/l	100
61) 1,2-Dibromoethane	11.470	107	75434	59.108	ug/l	97
64) Tetrachloroethene	11.106	164	70363	51.033	ug/l	98
65) Chlorobenzene	11.894	112	206537	52.155	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	76162	54.069	ug/l	99
67) Ethyl Benzene	11.965	91	356593	53.577	ug/l	98
68) m/p-Xylenes	12.076	106	277950	110.614	ug/l	97
69) o-Xylene	12.400	106	134177	55.728	ug/l	93
70) Styrene	12.412	104	232519	58.448	ug/l	99
71) Bromoform	12.582	173	62452	56.376	ug/l #	97
73) Isopropylbenzene	12.700	105	330124	48.390	ug/l	99
74) N-amyl acetate	12.494	43	165498	58.648	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	115212	56.389	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	94650m	58.475	ug/l	
77) Bromobenzene	12.982	156	86286	49.027	ug/l	98
78) n-propylbenzene	13.041	91	397729	50.706	ug/l	99
79) 2-Chlorotoluene	13.129	91	246403	49.302	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	283004	51.320	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	41975	51.002	ug/l	98
82) 4-Chlorotoluene	13.223	91	245437	49.615	ug/l	98
83) tert-Butylbenzene	13.441	119	232377	47.532	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	288244	51.284	ug/l	99
85) sec-Butylbenzene	13.617	105	325881	49.328	ug/l	99
86) p-Isopropyltoluene	13.729	119	276148	50.100	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	159305	50.106	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	156763	47.677	ug/l	99
89) n-Butylbenzene	14.059	91	226281	47.919	ug/l	99
90) Hexachloroethane	14.335	117	56793	48.695	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	152922	49.538	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25881	54.754	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	74576	44.850	ug/l	99
94) Hexachlorobutadiene	15.506	225	31729	43.044	ug/l	99
95) Naphthalene	15.647	128	285460	50.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	77671	45.430	ug/l	99

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

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