

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081800.D
 Acq On : 18 Apr 2024 20:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 19 02:13:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/19/2024
 Supervised By : Mahesh Dadoda 04/19/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	251088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111509	31.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 63.120%#			
35) Dibromofluoromethane	8.171	113	141171	73.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 147.700%#			
50) Toluene-d8	10.571	98	263027	37.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 74.700%#			
62) 4-Bromofluorobenzene	12.847	95	90166	37.468	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 74.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	55517	17.459	ug/l	96
3) Chloromethane	2.359	50	117756	43.408	ug/l	97
4) Vinyl Chloride	2.512	62	172662	44.366	ug/l	98
5) Bromomethane	2.948	94	115230	49.005	ug/l	100
6) Chloroethane	3.112	64	123840	53.479	ug/l	92
7) Trichlorofluoromethane	3.483	101	88600	17.630	ug/l	96
8) Diethyl Ether	3.965	74	30718	17.412	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	47929	15.227	ug/l	98
10) Methyl Iodide	4.589	142	48876	28.930	ug/l	90
11) Tert butyl alcohol	5.518	59	51768	107.410	ug/l	99
12) 1,1-Dichloroethene	4.336	96	47965	16.078	ug/l	90
13) Acrolein	4.177	56	49901	97.394	ug/l	97
14) Allyl chloride	5.024	41	69204	18.279	ug/l	99
15) Acrylonitrile	5.712	53	208310	156.614	ug/l	98
16) Acetone	4.430	43	89869	91.388	ug/l	97
17) Carbon Disulfide	4.712	76	139761	16.118	ug/l	100
18) Methyl Acetate	5.024	43	53762	19.546	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	255719	29.451	ug/l	99
20) Methylene Chloride	5.277	84	58641	18.838	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	78992	26.363	ug/l	96
22) Diisopropyl ether	6.671	45	282317	34.266	ug/l	95
23) Vinyl Acetate	6.600	43	1053446	163.804	ug/l	99
24) 1,1-Dichloroethane	6.565	63	151311	27.913	ug/l	98
25) 2-Butanone	7.483	43	274714	169.458	ug/l	93
26) 2,2-Dichloropropane	7.488	77	144120	30.499	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	111752	30.489	ug/l	97
28) Bromochloromethane	7.812	49	98786	42.684	ug/l	94
29) Tetrahydrofuran	7.835	42	292837	279.205	ug/l	94
30) Chloroform	7.965	83	303155	49.319	ug/l	99
31) Cyclohexane	8.253	56	203800	42.048	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	268002	49.168	ug/l	97
36) 1,1-Dichloropropene	8.371	75	137479	51.619	ug/l	98
37) Ethyl Acetate	7.553	43	133156	60.843	ug/l	99
38) Carbon Tetrachloride	8.365	117	161182	52.018	ug/l	98
39) Methylcyclohexane	9.600	83	98033	31.244	ug/l	97
40) Benzene	8.612	78	389843	46.990	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	107688	90.644	ug/l	96
42) 1,2-Dichloroethane	8.671	62	202449	70.002	ug/l	97
43) Isopropyl Acetate	8.688	43	286538	70.179	ug/l	99
44) Trichloroethene	9.353	130	69864	32.382	ug/l	94
45) 1,2-Dichloropropane	9.624	63	67555	35.318	ug/l	97
46) Dibromomethane	9.706	93	52367	32.802	ug/l	98
47) Bromodichloromethane	9.888	83	100898	33.085	ug/l #	94
48) Methyl methacrylate	9.682	41	67846	40.770	ug/l	93
49) 1,4-Dioxane	9.694	88	30496	730.668	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	504631	222.210	ug/l	96
52) Toluene	10.629	92	196243	37.239	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	110583	36.401	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	110955	34.286	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	70498	35.612	ug/l	97
56) Ethyl methacrylate	10.876	69	116086	42.619	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	119809	36.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	295425	204.982	ug/l	95
59) 2-Hexanone	11.194	43	378133	230.012	ug/l	99
60) Dibromochloromethane	11.359	129	85980	35.934	ug/l	96
61) 1,2-Dibromoethane	11.471	107	74544	36.099	ug/l	99
64) Tetrachloroethene	11.106	164	80471	47.635	ug/l	96
65) Chlorobenzene	11.894	112	219078	47.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	75805	48.500	ug/l	99
67) Ethyl Benzene	11.965	91	378320	52.458	ug/l	98
68) m/p-Xylenes	12.070	106	311850	111.200	ug/l	97
69) o-Xylene	12.400	106	149890	55.771	ug/l	96
70) Styrene	12.412	104	257601	58.506	ug/l	98
71) Bromoform	12.576	173	68098	56.465	ug/l #	100
73) Isopropylbenzene	12.700	105	384515	46.757	ug/l	100
74) N-amyl acetate	12.494	43	161428	53.937	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	105500	43.666	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	95648m	47.737	ug/l	
77) Bromobenzene	12.982	156	94484	45.066	ug/l	95
78) n-propylbenzene	13.035	91	442380	46.358	ug/l	99
79) 2-Chlorotoluene	13.123	91	260657	43.821	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	320787	47.752	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	42046	46.913	ug/l	95
82) 4-Chlorotoluene	13.223	91	261805	44.553	ug/l	97
83) tert-Butylbenzene	13.441	119	283386	48.164	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	330778	48.815	ug/l	97
85) sec-Butylbenzene	13.617	105	393048	47.871	ug/l	100
86) p-Isopropyltoluene	13.729	119	341335	50.721	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	187550	47.861	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	180751	45.234	ug/l	99
89) n-Butylbenzene	14.059	91	269838	45.860	ug/l	99
90) Hexachloroethane	14.335	117	60455	42.201	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	178618	47.095	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	20416	45.306	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	101645	50.875	ug/l	97
94) Hexachlorobutadiene	15.500	225	36555	42.444	ug/l	97
95) Naphthalene	15.641	128	328411	51.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	101355	49.618	ug/l	95

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

