

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082689.D
 Acq On : 21 Jun 2024 20:38
 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 06/24/2024
 Supervised By : Mahesh Dadoda 06/24/2024

Quant Time: Jun 24 02:17:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	159766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	262775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137170	53.539	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.080%			
35) Dibromofluoromethane	8.165	113	96592	51.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.571	98	370710	52.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.847	95	130322	53.496	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	108620	48.680	ug/l	98
3) Chloromethane	2.359	50	124818	46.664	ug/l	98
4) Vinyl Chloride	2.512	62	135534	53.243	ug/l	95
5) Bromomethane	2.936	94	72887	44.480	ug/l	92
6) Chloroethane	3.106	64	90013	49.589	ug/l	99
7) Trichlorofluoromethane	3.489	101	167009	50.288	ug/l	98
8) Diethyl Ether	3.959	74	59329	52.456	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	91277	49.069	ug/l	98
10) Methyl Iodide	4.589	142	93456	52.742	ug/l	94
11) Tert butyl alcohol	5.530	59	122460	292.044	ug/l	99
12) 1,1-Dichloroethene	4.336	96	88379	49.683	ug/l	97
13) Acrolein	4.177	56	102200	239.259	ug/l	99
14) Allyl chloride	5.024	41	187426	53.874	ug/l	90
15) Acrylonitrile	5.724	53	320090	289.191	ug/l	100
16) Acetone	4.430	43	294079	252.386	ug/l	99
17) Carbon Disulfide	4.706	76	254882	45.118	ug/l	97
18) Methyl Acetate	5.030	43	166460	58.410	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	342749	56.289	ug/l	96
20) Methylene Chloride	5.277	84	107555	52.504	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	96242	50.907	ug/l	94
22) Diisopropyl ether	6.677	45	405949	55.640	ug/l	98
23) Vinyl Acetate	6.606	43	1612293	278.668	ug/l	100
24) 1,1-Dichloroethane	6.571	63	208508	52.756	ug/l	99
25) 2-Butanone	7.488	43	467774	282.441	ug/l	99
26) 2,2-Dichloropropane	7.494	77	130959	38.196	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	116888	51.313	ug/l	97
28) Bromochloromethane	7.818	49	96440	53.468	ug/l	99
29) Tetrahydrofuran	7.841	42	317772	313.423	ug/l	100
30) Chloroform	7.971	83	209512	54.343	ug/l	100
31) Cyclohexane	8.259	56	176603	47.762	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	181638	51.954	ug/l	98
36) 1,1-Dichloropropene	8.377	75	142602	51.054	ug/l	99
37) Ethyl Acetate	7.565	43	191197	53.738	ug/l	100
38) Carbon Tetrachloride	8.365	117	161605	51.339	ug/l	97
39) Methylcyclohexane	9.606	83	145845	49.615	ug/l	98
40) Benzene	8.606	78	445145	51.577	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	100740	55.391	ug/l	100
42) 1,2-Dichloroethane	8.677	62	175218	53.373	ug/l	99
43) Isopropyl Acetate	8.694	43	362633	54.537	ug/l	97
44) Trichloroethene	9.353	130	97132	48.467	ug/l	95
45) 1,2-Dichloropropane	9.624	63	117504	52.894	ug/l	99
46) Dibromomethane	9.712	93	80809	53.662	ug/l	99
47) Bromodichloromethane	9.894	83	169753	52.873	ug/l	96
48) Methyl methacrylate	9.682	41	151537	55.283	ug/l	99
49) 1,4-Dioxane	9.700	88	54011	1259.696	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	1017620	298.376	ug/l	100
52) Toluene	10.635	92	281932	53.902	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	172283	52.492	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	177351	52.254	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	108078	57.090	ug/l	97
56) Ethyl methacrylate	10.876	69	181355	57.840	ug/l	99
57) 1,3-Dichloropropane	11.165	76	191271	54.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	493707	297.655	ug/l	99
59) 2-Hexanone	11.200	43	775953	299.346	ug/l	100
60) Dibromochloromethane	11.359	129	130014	56.260	ug/l	98
61) 1,2-Dibromoethane	11.471	107	109015	54.617	ug/l	97
64) Tetrachloroethene	11.106	164	89665	41.384	ug/l	99
65) Chlorobenzene	11.894	112	305837	50.754	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	111034	51.675	ug/l	99
67) Ethyl Benzene	11.965	91	540443	52.636	ug/l	100
68) m/p-Xylenes	12.070	106	414680	108.560	ug/l	99
69) o-Xylene	12.400	106	198738	55.377	ug/l	97
70) Styrene	12.412	104	351454	57.700	ug/l	99
71) Bromoform	12.582	173	91519	53.873	ug/l #	98
73) Isopropylbenzene	12.700	105	505378	50.651	ug/l	99
74) N-amyl acetate	12.494	43	294817	55.365	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	169013	51.930	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	162973m	50.711	ug/l	
77) Bromobenzene	12.982	156	127475	49.635	ug/l	99
78) n-propylbenzene	13.035	91	609988	51.684	ug/l	100
79) 2-Chlorotoluene	13.129	91	372910	50.384	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	429745	53.074	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	61491	45.776	ug/l	93
82) 4-Chlorotoluene	13.223	91	376881	50.973	ug/l	100
83) tert-Butylbenzene	13.441	119	364101	52.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	442343	54.458	ug/l	99
85) sec-Butylbenzene	13.617	105	514049	52.478	ug/l	99
86) p-Isopropyltoluene	13.729	119	428586	54.333	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	233225	50.085	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	233772	48.029	ug/l	98
89) n-Butylbenzene	14.059	91	359624	51.397	ug/l	100
90) Hexachloroethane	14.335	117	86627	50.473	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	227775	50.096	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	37619	54.616	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	113656	47.405	ug/l	97
94) Hexachlorobutadiene	15.506	225	49145	41.573	ug/l	96
95) Naphthalene	15.641	128	402931	54.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	119920	49.080	ug/l	96

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

