

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032824\
 Data File : VN081605.D
 Acq On : 28 Mar 2024 18:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2024
 Supervised By : Mahesh Dadoda 03/29/2024

Quant Time: Mar 29 02:47:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	345606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	629791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	565279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	273097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	222966	50.589	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.165	113	200558	50.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	10.571	98	682356	47.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.980%			
62) 4-Bromofluorobenzene	12.853	95	249026	49.189	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 98.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	201343	43.266	ug/l	96
3) Chloromethane	2.359	50	218299	47.115	ug/l	97
4) Vinyl Chloride	2.518	62	258813	49.773	ug/l	94
5) Bromomethane	2.948	94	179618	48.844	ug/l	92
6) Chloroethane	3.118	64	191357	53.599	ug/l	96
7) Trichlorofluoromethane	3.501	101	388958	50.191	ug/l	97
8) Diethyl Ether	3.959	74	141064	55.002	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	215137	48.858	ug/l	89
10) Methyl Iodide	4.589	142	261255	59.579	ug/l	98
11) Tert butyl alcohol	5.512	59	231652	301.604	ug/l	100
12) 1,1-Dichloroethene	4.342	96	206392	50.602	ug/l	86
13) Acrolein	4.183	56	163825	237.701	ug/l	96
14) Allyl chloride	5.024	41	259069	50.690	ug/l #	85
15) Acrylonitrile	5.718	53	563095	274.042	ug/l	99
16) Acetone	4.430	43	397690	279.205	ug/l	100
17) Carbon Disulfide	4.712	76	516371	44.117	ug/l	96
18) Methyl Acetate	5.018	43	268655	61.179	ug/l #	87
19) Methyl tert-butyl Ether	5.800	73	752853	58.979	ug/l	95
20) Methylene Chloride	5.283	84	257099	55.103	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	236448	51.993	ug/l	90
22) Diisopropyl ether	6.671	45	712578	60.005	ug/l #	92
23) Vinyl Acetate	6.606	43	2669900	282.456	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	445185	55.971	ug/l	97
25) 2-Butanone	7.483	43	662124	271.020	ug/l #	85
26) 2,2-Dichloropropane	7.489	77	347461	50.367	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	290020	56.364	ug/l	83
28) Bromochloromethane	7.818	49	165613	51.120	ug/l #	52
29) Tetrahydrofuran	7.836	42	445961	270.966	ug/l #	77
30) Chloroform	7.965	83	486332	57.116	ug/l	97
31) Cyclohexane	8.259	56	315276	43.959	ug/l #	76
32) 1,1,1-Trichloroethane	8.171	97	436015	56.441	ug/l #	92
36) 1,1-Dichloropropene	8.371	75	325840	48.714	ug/l	95
37) Ethyl Acetate	7.559	43	284268	49.631	ug/l	96
38) Carbon Tetrachloride	8.365	117	365548	49.888	ug/l	99
39) Methylcyclohexane	9.600	83	341272	45.688	ug/l #	84
40) Benzene	8.606	78	1035257	52.940	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	157907	52.132	ug/l	89
42) 1,2-Dichloroethane	8.671	62	355201	51.614	ug/l	97
43) Isopropyl Acetate	8.688	43	494457	52.080	ug/l #	90
44) Trichloroethene	9.353	130	280058	50.920	ug/l	92
45) 1,2-Dichloropropane	9.624	63	258886	54.626	ug/l	99
46) Dibromomethane	9.712	93	196895	54.707	ug/l #	88
47) Bromodichloromethane	9.888	83	395204	56.162	ug/l #	97
48) Methyl methacrylate	9.683	41	236408	53.986	ug/l #	86
49) 1,4-Dioxane	9.694	88	99564	946.099	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1511926	260.979	ug/l	91
52) Toluene	10.630	92	654361	52.647	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	398826	52.488	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	424754	52.138	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	280135	56.004	ug/l	95
56) Ethyl methacrylate	10.877	69	382638	51.244	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	457073	55.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	902961	286.891	ug/l #	85
59) 2-Hexanone	11.200	43	1115274	260.383	ug/l	90
60) Dibromochloromethane	11.365	129	311311	56.591	ug/l	98
61) 1,2-Dibromoethane	11.471	107	278015	54.516	ug/l	95
64) Tetrachloroethene	11.106	164	280204	51.857	ug/l	93
65) Chlorobenzene	11.894	112	710332	53.156	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	283144	57.169	ug/l	97
67) Ethyl Benzene	11.965	91	1244111	53.596	ug/l	99
68) m/p-Xylenes	12.071	106	971420	111.630	ug/l	93
69) o-Xylene	12.400	106	481209	56.327	ug/l	93
70) Styrene	12.412	104	812756	58.988	ug/l	94
71) Bromoform	12.582	173	205369	55.180	ug/l #	95
73) Isopropylbenzene	12.700	105	1217092	52.283	ug/l	97
74) N-amyl acetate	12.494	43	436257	51.785	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	346923	50.687	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	332478m	50.895	ug/l	
77) Bromobenzene	12.982	156	298716	51.946	ug/l	71
78) n-propylbenzene	13.035	91	1440590	52.402	ug/l	96
79) 2-Chlorotoluene	13.123	91	864390	52.534	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	1037262	53.947	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	120741	49.947	ug/l	93
82) 4-Chlorotoluene	13.223	91	847024	52.214	ug/l	91
83) tert-Butylbenzene	13.441	119	875996	52.833	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	1057335	54.714	ug/l	96
85) sec-Butylbenzene	13.618	105	1262665	53.272	ug/l	94
86) p-Isopropyltoluene	13.729	119	1044770	53.923	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	551081	52.158	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	552757	50.526	ug/l	96
89) n-Butylbenzene	14.059	91	870509	50.668	ug/l	96
90) Hexachloroethane	14.335	117	196213	53.473	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	541690	53.268	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	72800	49.979	ug/l	68
93) 1,2,4-Trichlorobenzene	15.394	180	291170	49.519	ug/l	99
94) Hexachlorobutadiene	15.506	225	110732	42.921	ug/l	98
95) Naphthalene	15.641	128	1029836	54.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	294679	49.824	ug/l	96

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

