

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074928.D
 Acq On : 17 Oct 2022 20:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 18 03:37:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 16:03:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	335019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	594632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	681224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	394492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	416708	47.154	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.300%		
35) Dibromofluoromethane	8.177	113	328136	49.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	10.571	98	1397151	50.396	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.800%		
62) 4-Bromofluorobenzene	12.847	95	436577	54.203	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.148	85	287347	45.202	ug/l	95
3) Chloromethane	2.389	50	402224	47.018	ug/l	100
4) Vinyl Chloride	2.536	62	609911	43.884	ug/l	94
5) Bromomethane	2.930	94	520383	53.957	ug/l	99
6) Chloroethane	3.118	64	486448	45.588	ug/l	97
7) Trichlorofluoromethane	3.506	101	439735	45.340	ug/l	97
8) Diethyl Ether	3.983	74	202267	46.893	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	264821	46.975	ug/l	94
10) Methyl Iodide	4.612	142	358792	47.276	ug/l	99
11) Tert butyl alcohol	5.559	59	458833	238.580	ug/l	99
12) 1,1-Dichloroethene	4.359	96	258135	46.104	ug/l	85
13) Acrolein	4.206	56	414807	218.879	ug/l	100
14) Allyl chloride	5.053	41	472603	43.586	ug/l	94
15) Acrylonitrile	5.747	53	1183787	235.424	ug/l	100
16) Acetone	4.453	43	933580	224.701	ug/l	96
17) Carbon Disulfide	4.730	76	613721	43.181	ug/l	98
18) Methyl Acetate	5.053	43	676918	44.549	ug/l	97
19) Methyl tert-butyl Ether	5.824	73	1070981	48.842	ug/l	96
20) Methylene Chloride	5.300	84	331191	45.493	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	279555	44.280	ug/l	96
22) Diisopropyl ether	6.694	45	1203481	48.902	ug/l	96
23) Vinyl Acetate	6.624	43	4406765	252.447	ug/l	100
24) 1,1-Dichloroethane	6.583	63	632365	47.575	ug/l	95
25) 2-Butanone	7.500	43	1593837	230.373	ug/l	98
26) 2,2-Dichloropropane	7.500	77	456819	42.027	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	369131	46.874	ug/l	99
28) Bromochloromethane	7.824	49	321414	49.599	ug/l	99
29) Tetrahydrofuran	7.847	42	1113433	236.348	ug/l	99
30) Chloroform	7.977	83	619545	47.935	ug/l	95
31) Cyclohexane	8.265	56	530379	46.403	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	526469	48.109	ug/l	98
36) 1,1-Dichloropropene	8.383	75	435853	49.648	ug/l	97
37) Ethyl Acetate	7.577	43	642403	50.652	ug/l	100
38) Carbon Tetrachloride	8.371	117	429759	48.365	ug/l	90
39) Methylcyclohexane	9.606	83	532389	49.210	ug/l	97
40) Benzene	8.618	78	1440668	49.690	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	330087	46.277	ug/l	98
42) 1,2-Dichloroethane	8.683	62	488249	48.665	ug/l	99
43) Isopropyl Acetate	8.700	43	1029403	49.005	ug/l	99
44) Trichloroethene	9.353	130	297015	47.956	ug/l	98
45) 1,2-Dichloropropane	9.624	63	391081	48.701	ug/l	96
46) Dibromomethane	9.718	93	255211	49.635	ug/l	98
47) Bromodichloromethane	9.894	83	507337	52.707	ug/l	99
48) Methyl methacrylate	9.612	41	471195	48.940	ug/l	98
49) 1,4-Dioxane	9.700	88	190107	1047.230	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	3462949	254.535	ug/l	99
52) Toluene	10.635	92	922224	51.935	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	577628	53.044	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	583562	49.608	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	376420	50.243	ug/l	96
56) Ethyl methacrylate	10.877	69	628048	52.325	ug/l	99
57) 1,3-Dichloropropane	11.165	76	667355	50.182	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	1349923	224.264	ug/l	100
59) 2-Hexanone	11.200	43	2557994	250.958	ug/l	99
60) Dibromochloromethane	11.365	129	375389	52.944	ug/l	99
61) 1,2-Dibromoethane	11.471	107	374174	50.844	ug/l	95
64) Tetrachloroethene	11.106	164	243163	48.255	ug/l	89
65) Chlorobenzene	11.894	112	913272	46.685	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	349891	50.406	ug/l	97
67) Ethyl Benzene	11.965	91	1805116	50.745	ug/l	99
68) m/p-Xylenes	12.076	106	1390647	104.634	ug/l	100
69) o-Xylene	12.400	106	685832	50.808	ug/l	97
70) Styrene	12.412	104	1147484	54.071	ug/l	98
71) Bromoform	12.576	173	263411	51.541	ug/l #	99
73) Isopropylbenzene	12.700	105	1827519	48.635	ug/l	98
74) N-amyl acetate	12.494	43	953530	45.905	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	625237	43.573	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	465150m	41.717	ug/l	
77) Bromobenzene	12.982	156	360504	43.938	ug/l	97
78) n-propylbenzene	13.035	91	2147283	49.232	ug/l	98
79) 2-Chlorotoluene	13.129	91	1215486	44.934	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1494930	48.459	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	212200	45.746	ug/l	94
82) 4-Chlorotoluene	13.223	91	1133975	47.709	ug/l	98
83) tert-Butylbenzene	13.441	119	1304812	46.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1443888	48.769	ug/l	100
85) sec-Butylbenzene	13.618	105	1891423	48.902	ug/l	100
86) p-Isopropyltoluene	13.735	119	1465905	49.958	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	662218	48.822	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	636598	44.423	ug/l	99
89) n-Butylbenzene	14.059	91	1217783	49.863	ug/l	99
90) Hexachloroethane	14.335	117	284090	46.895	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	634805	46.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	102829	44.077	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	298964	47.149	ug/l	97
94) Hexachlorobutadiene	15.500	225	138114	45.636	ug/l	96
95) Naphthalene	15.641	128	1220899	44.656	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	303939	45.924	ug/l	98

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

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