

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075385.D
 Acq On : 23 Nov 2022 10:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 23 10:34:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 08:17:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	163762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	45166	51.380	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.760%			
35) Dibromofluoromethane	8.171	113	57721	53.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.960%			
50) Toluene-d8	10.565	98	131232	53.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.847	95	100078	55.777	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	61800	49.352	ug/l	97
3) Chloromethane	2.371	50	73410	47.114	ug/l	98
4) Vinyl Chloride	2.524	62	97339	49.569	ug/l	93
5) Bromomethane	2.936	94	81483	47.187	ug/l	98
6) Chloroethane	3.112	64	72904	54.111	ug/l	99
7) Trichlorofluoromethane	3.500	101	143218	51.052	ug/l	97
8) Diethyl Ether	3.971	74	51164	52.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	83900	55.672	ug/l	94
10) Methyl Iodide	4.600	142	129896	51.762	ug/l	97
11) Tert butyl alcohol	5.536	59	85443	231.542	ug/l	99
12) 1,1-Dichloroethene	4.353	96	79237	52.249	ug/l	91
13) Acrolein	4.189	56	91290	283.974	ug/l	99
14) Allyl chloride	5.030	41	105928	54.000	ug/l	94
15) Acrylonitrile	5.724	53	213297	251.939	ug/l	98
16) Acetone	4.436	43	227493	277.451	ug/l	96
17) Carbon Disulfide	4.718	76	198338	50.324	ug/l	100
18) Methyl Acetate	5.030	43	110079	53.340	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	277660	51.684	ug/l	96
20) Methylene Chloride	5.283	84	89687	54.044	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	88298	51.090	ug/l	96
22) Diisopropyl ether	6.683	45	235685	52.650	ug/l	98
23) Vinyl Acetate	6.612	43	956375m	268.546	ug/l	
24) 1,1-Dichloroethane	6.577	63	149478	52.023	ug/l	98
25) 2-Butanone	7.488	43	293131	256.068	ug/l	99
26) 2,2-Dichloropropane	7.494	77	140654	52.671	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	105607	54.039	ug/l	94
28) Bromochloromethane	7.812	49	65170	55.876	ug/l	86
29) Tetrahydrofuran	7.841	42	179309	257.514	ug/l	98
30) Chloroform	7.971	83	169072	51.239	ug/l	98
31) Cyclohexane	8.265	56	135637	48.565	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	157800	52.670	ug/l	97
36) 1,1-Dichloropropene	8.377	75	125189	53.188	ug/l	97
37) Ethyl Acetate	7.565	43	109284	51.565	ug/l	100
38) Carbon Tetrachloride	8.365	117	138501	53.566	ug/l	99
39) Methylcyclohexane	9.606	83	162578	55.190	ug/l	98
40) Benzene	8.612	78	372987	51.758	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	55353	51.086	ug/l	97
42) 1,2-Dichloroethane	8.677	62	124558	51.609	ug/l	97
43) Isopropyl Acetate	8.694	43	179722	52.831	ug/l	98
44) Trichloroethene	9.353	130	103888	52.686	ug/l	93
45) 1,2-Dichloropropane	9.624	63	87938	51.207	ug/l	95
46) Dibromomethane	9.712	93	66733	51.375	ug/l	91
47) Bromodichloromethane	9.888	83	133478	53.063	ug/l	99
48) Methyl methacrylate	9.682	41	81693	51.935	ug/l	95
49) 1,4-Dioxane	9.700	88	45524	1019.216	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	567865	262.089	ug/l	96
52) Toluene	10.629	92	251869	54.237	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	145453	57.598	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	151901	55.383	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	100008	52.875	ug/l	97
56) Ethyl methacrylate	10.876	69	145636	57.016	ug/l	95
57) 1,3-Dichloropropane	11.165	76	161667	52.421	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	228120	247.627	ug/l	98
59) 2-Hexanone	11.194	43	442094	271.727	ug/l	96
60) Dibromochloromethane	11.359	129	113389	58.405	ug/l	98
61) 1,2-Dibromoethane	11.471	107	103803	52.876	ug/l	100
64) Tetrachloroethene	11.106	164	98181	50.921	ug/l	92
65) Chlorobenzene	11.888	112	272500	52.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	103553	53.212	ug/l	98
67) Ethyl Benzene	11.965	91	490247	55.110	ug/l	98
68) m/p-Xylenes	12.071	106	401840	111.237	ug/l	99
69) o-Xylene	12.400	106	191305	53.300	ug/l	99
70) Styrene	12.412	104	321455	56.773	ug/l	97
71) Bromoform	12.576	173	83052	56.074	ug/l #	99
73) Isopropylbenzene	12.694	105	508750	51.601	ug/l	99
74) N-amyl acetate	12.494	43	158747	52.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	146386	48.700	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	106856m	41.879	ug/l	
77) Bromobenzene	12.982	156	122968	50.520	ug/l	84
78) n-propylbenzene	13.035	91	587872	53.428	ug/l	100
79) 2-Chlorotoluene	13.129	91	339538	51.216	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	437677	53.433	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	51823	60.095	ug/l #	83
82) 4-Chlorotoluene	13.129	91	339538	51.216	ug/l	97
83) tert-Butylbenzene	13.441	119	386153	51.705	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	441812	53.773	ug/l	98
85) sec-Butylbenzene	13.617	105	553943	54.664	ug/l	99
86) p-Isopropyltoluene	13.729	119	483135	56.667	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	240614	52.174	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	239988	51.228	ug/l	98
89) n-Butylbenzene	14.059	91	404486	56.171	ug/l	98
90) Hexachloroethane	14.335	117	79163	53.822	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	237442	52.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	29693	52.148	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	133136	57.792	ug/l	98
94) Hexachlorobutadiene	15.500	225	70154	58.464	ug/l	98
95) Naphthalene	15.641	128	397862	54.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	127362	56.251	ug/l	99

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

