

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075257.D
 Acq On : 14 Nov 2022 11:12
 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 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 03:50:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	101799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	180520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	169550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	61384	44.753	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.500%		
35) Dibromofluoromethane	8.171	113	53697	50.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.340%		
50) Toluene-d8	10.565	98	191661	46.616	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.240%		
62) 4-Bromofluorobenzene	12.847	95	73918	51.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	61580	46.501	ug/l	98
3) Chloromethane	2.371	50	65971	46.900	ug/l	97
4) Vinyl Chloride	2.524	62	88435	44.070	ug/l	95
5) Bromomethane	2.918	94	85116	60.251	ug/l	99
6) Chloroethane	3.106	64	62136	43.182	ug/l	98
7) Trichlorofluoromethane	3.500	101	108300	52.832	ug/l	95
8) Diethyl Ether	3.971	74	41481	55.479	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	63738	56.302	ug/l	98
10) Methyl Iodide	4.594	142	92239	54.730	ug/l	98
11) Tert butyl alcohol	5.536	59	66418	207.642	ug/l	100
12) 1,1-Dichloroethene	4.342	96	59931	55.538	ug/l	91
13) Acrolein	4.183	56	57739	220.687	ug/l	98
14) Allyl chloride	5.030	41	87145	55.294	ug/l	96
15) Acrylonitrile	5.724	53	176850	261.730	ug/l	99
16) Acetone	4.436	43	168561	290.233	ug/l	95
17) Carbon Disulfide	4.724	76	155638	57.354	ug/l	98
18) Methyl Acetate	5.030	43	99126	52.252	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	216978	54.100	ug/l	99
20) Methylene Chloride	5.283	84	68893	53.202	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	65816	55.705	ug/l	97
22) Diisopropyl ether	6.677	45	190099	54.657	ug/l	98
23) Vinyl Acetate	6.612	43	768335m	264.548	ug/l	
24) 1,1-Dichloroethane	6.577	63	118852	54.031	ug/l	97
25) 2-Butanone	7.488	43	236452	258.840	ug/l	97
26) 2,2-Dichloropropane	7.494	77	107888	53.315	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	78216	55.434	ug/l	98
28) Bromochloromethane	7.818	49	45496	49.064	ug/l	96
29) Tetrahydrofuran	7.841	42	152280	257.971	ug/l	98
30) Chloroform	7.971	83	128733	53.902	ug/l	97
31) Cyclohexane	8.259	56	106373	52.144	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	119887	55.278	ug/l	96
36) 1,1-Dichloropropene	8.377	75	96403	58.758	ug/l	99
37) Ethyl Acetate	7.559	43	95925	53.313	ug/l	98
38) Carbon Tetrachloride	8.365	117	105809	58.628	ug/l	98
39) Methylcyclohexane	9.600	83	127022	58.645	ug/l	98
40) Benzene	8.606	78	288098	57.350	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	48376	56.118	ug/l	98
42) 1,2-Dichloroethane	8.671	62	99383	54.378	ug/l	98
43) Isopropyl Acetate	8.688	43	149864	53.697	ug/l	99
44) Trichloroethene	9.353	130	74426	59.053	ug/l	98
45) 1,2-Dichloropropane	9.618	63	69844	58.423	ug/l	96
46) Dibromomethane	9.706	93	53018	56.923	ug/l	98
47) Bromodichloromethane	9.888	83	105303	58.383	ug/l	99
48) Methyl methacrylate	9.682	41	69516	54.299	ug/l	95
49) 1,4-Dioxane	9.694	88	35365	1054.895	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	479880	266.452	ug/l	99
52) Toluene	10.629	92	192141	57.218	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	114048	59.906	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	120370	59.612	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	75055	56.369	ug/l	98
56) Ethyl methacrylate	10.871	69	111312	54.806	ug/l	98
57) 1,3-Dichloropropane	11.165	76	125743	56.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	213374	271.748	ug/l	99
59) 2-Hexanone	11.194	43	361910	264.767	ug/l	100
60) Dibromochloromethane	11.359	129	85898	61.147	ug/l	99
61) 1,2-Dibromoethane	11.471	107	79384	58.177	ug/l	99
64) Tetrachloroethene	11.106	164	67800	65.225	ug/l	87
65) Chlorobenzene	11.888	112	202791	56.034	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	77742	57.907	ug/l	99
67) Ethyl Benzene	11.965	91	370685	56.930	ug/l	99
68) m/p-Xylenes	12.070	106	302494	115.781	ug/l	100
69) o-Xylene	12.400	106	145668	56.379	ug/l	98
70) Styrene	12.412	104	240640	58.411	ug/l	98
71) Bromoform	12.576	173	65118	64.784	ug/l #	97
73) Isopropylbenzene	12.694	105	381624	51.245	ug/l	98
74) N-amyl acetate	12.494	43	130661	47.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	116445	54.435	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	96797m	49.146	ug/l	
77) Bromobenzene	12.982	156	88918	54.226	ug/l	93
78) n-propylbenzene	13.035	91	445220	53.249	ug/l	100
79) 2-Chlorotoluene	13.123	91	263899	51.651	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	334755	53.519	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	39996	52.127	ug/l	93
82) 4-Chlorotoluene	13.123	91	263899	51.651	ug/l	100
83) tert-Butylbenzene	13.435	119	295899	53.239	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	343598	54.293	ug/l	100
85) sec-Butylbenzene	13.617	105	422320	54.317	ug/l	100
86) p-Isopropyltoluene	13.729	119	367893	57.293	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	182109	56.722	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	180946	56.947	ug/l	98
89) n-Butylbenzene	14.053	91	304932	58.971	ug/l	99
90) Hexachloroethane	14.335	117	62373	52.979	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	179627	56.278	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25983	51.725	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	89352	65.055	ug/l	99
94) Hexachlorobutadiene	15.500	225	41741	62.340	ug/l	100
95) Naphthalene	15.641	128	303784	57.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	85830	62.893	ug/l	99

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

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