

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075164.D
 Acq On : 04 Nov 2022 09:53
 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 11/07/2022
 Supervised By : Mahesh Dadoda 11/07/2022

Quant Time: Nov 05 06:43:05 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	101702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	186486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	178601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	65623	47.889	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.780%		
35) Dibromofluoromethane	8.171	113	54477	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.520%		
50) Toluene-d8	10.565	98	209544	49.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.847	95	77729	52.096	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	47953	36.245	ug/l	99
3) Chloromethane	2.371	50	56320	40.077	ug/l	96
4) Vinyl Chloride	2.524	62	81337	40.572	ug/l	99
5) Bromomethane	2.918	94	77219	54.218	ug/l	96
6) Chloroethane	3.106	64	59720	41.542	ug/l	95
7) Trichlorofluoromethane	3.495	101	93285	45.550	ug/l	94
8) Diethyl Ether	3.971	74	33931	45.424	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	53604	47.395	ug/l	96
10) Methyl Iodide	4.595	142	72314	42.948	ug/l	99
11) Tert butyl alcohol	5.536	59	57740	180.685	ug/l	98
12) 1,1-Dichloroethene	4.342	96	47602	44.155	ug/l	97
13) Acrolein	4.189	56	43772	167.462	ug/l	99
14) Allyl chloride	5.030	41	73094	46.423	ug/l	99
15) Acrylonitrile	5.724	53	153323	227.128	ug/l	99
16) Acetone	4.430	43	181789	313.308	ug/l	96
17) Carbon Disulfide	4.712	76	114191	42.121	ug/l	97
18) Methyl Acetate	5.036	43	88138	46.504	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	185083	46.191	ug/l	99
20) Methylene Chloride	5.283	84	59409	45.922	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	53688	45.484	ug/l	97
22) Diisopropyl ether	6.677	45	170752	49.141	ug/l	95
23) Vinyl Acetate	6.612	43	680291m	234.457	ug/l	
24) 1,1-Dichloroethane	6.577	63	104660	47.625	ug/l	97
25) 2-Butanone	7.488	43	229645	251.628	ug/l	100
26) 2,2-Dichloropropane	7.494	77	99980	49.454	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	68527	48.614	ug/l	99
28) Bromochloromethane	7.812	49	44028	47.527	ug/l	97
29) Tetrahydrofuran	7.841	42	133855	226.974	ug/l	98
30) Chloroform	7.971	83	117295	49.160	ug/l	99
31) Cyclohexane	8.259	56	92835	45.551	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	108235	49.953	ug/l	99
36) 1,1-Dichloropropene	8.371	75	84268	49.719	ug/l	99
37) Ethyl Acetate	7.559	43	81797	44.006	ug/l	99
38) Carbon Tetrachloride	8.365	117	93648	50.230	ug/l	97
39) Methylcyclohexane	9.600	83	110650	49.452	ug/l	96
40) Benzene	8.606	78	259443	49.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	41022	46.065	ug/l	96
42) 1,2-Dichloroethane	8.671	62	92085	48.773	ug/l	98
43) Isopropyl Acetate	8.688	43	133148	46.181	ug/l	99
44) Trichloroethene	9.353	130	64413	49.473	ug/l	98
45) 1,2-Dichloropropane	9.624	63	64431	52.171	ug/l	96
46) Dibromomethane	9.712	93	48412	50.315	ug/l	96
47) Bromodichloromethane	9.888	83	95674	51.347	ug/l	99
48) Methyl methacrylate	9.682	41	61171	46.252	ug/l	99
49) 1,4-Dioxane	9.700	88	30899	892.193	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	433836	233.180	ug/l	99
52) Toluene	10.629	92	176119	50.769	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	101232	51.473	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	106444	51.029	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	69010	50.171	ug/l	97
56) Ethyl methacrylate	10.877	69	105012	50.050	ug/l	97
57) 1,3-Dichloropropane	11.165	76	116846	51.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	208642	257.221	ug/l	99
59) 2-Hexanone	11.194	43	345807	244.893	ug/l	99
60) Dibromochloromethane	11.359	129	75722	52.179	ug/l	99
61) 1,2-Dibromoethane	11.471	107	71832	50.958	ug/l	100
64) Tetrachloroethene	11.106	164	60352	55.117	ug/l	95
65) Chlorobenzene	11.894	112	184833	48.483	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	70813	50.073	ug/l	98
67) Ethyl Benzene	11.965	91	345432	50.363	ug/l	98
68) m/p-Xylenes	12.071	106	278684	101.262	ug/l	98
69) o-Xylene	12.400	106	134655	49.475	ug/l	100
70) Styrene	12.412	104	223487	51.498	ug/l	99
71) Bromoform	12.576	173	51287	48.438	ug/l #	100
73) Isopropylbenzene	12.694	105	354101	47.807	ug/l	100
74) N-amyl acetate	12.494	43	116856	42.656	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	107060	50.013	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	92987m	47.467	ug/l	
77) Bromobenzene	12.982	156	77252	47.367	ug/l	97
78) n-propylbenzene	13.035	91	417261	50.176	ug/l	99
79) 2-Chlorotoluene	13.123	91	242334	47.688	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	303995	48.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	34711	45.485	ug/l	93
82) 4-Chlorotoluene	13.123	91	242334	47.688	ug/l	99
83) tert-Butylbenzene	13.441	119	262806	47.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	310667	49.355	ug/l	100
85) sec-Butylbenzene	13.618	105	385434	49.842	ug/l	100
86) p-Isopropyltoluene	13.729	119	330438	51.739	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	155835	48.801	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	156291	49.455	ug/l	99
89) n-Butylbenzene	14.059	91	273699	53.218	ug/l	100
90) Hexachloroethane	14.335	117	54655	46.675	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	153559	48.371	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22442	44.918	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	73953	54.136	ug/l	98
94) Hexachlorobutadiene	15.500	225	33966	51.003	ug/l	99
95) Naphthalene	15.641	128	255870	48.706	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	71072	52.361	ug/l	100

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

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