

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111722\
 Data File : VN075298.D
 Acq On : 17 Nov 2022 11:01
 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 11/18/2022
 Supervised By : Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 00:59:23 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	8.224	168	128392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	217964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68043	39.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.660%		
35) Dibromofluoromethane	8.171	113	62408	48.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.540%		
50) Toluene-d8	10.565	98	218500	44.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.020%		
62) 4-Bromofluorobenzene	12.847	95	85138	48.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	79648	47.687	ug/l	99
3) Chloromethane	2.371	50	74929	42.235	ug/l	97
4) Vinyl Chloride	2.524	62	102068	40.329	ug/l	97
5) Bromomethane	2.918	94	108042	60.673	ug/l	97
6) Chloroethane	3.106	64	76802	42.319	ug/l	96
7) Trichlorofluoromethane	3.495	101	142943	55.288	ug/l	99
8) Diethyl Ether	3.971	74	52842	56.035	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	82643	57.881	ug/l	95
10) Methyl Iodide	4.594	142	126373	59.452	ug/l	97
11) Tert butyl alcohol	5.536	59	86549	214.535	ug/l	99
12) 1,1-Dichloroethene	4.342	96	75746	55.655	ug/l	90
13) Acrolein	4.183	56	58230	176.465	ug/l	99
14) Allyl chloride	5.030	41	92702	46.637	ug/l	91
15) Acrylonitrile	5.724	53	220508	258.749	ug/l	98
16) Acetone	4.436	43	212019	289.447	ug/l	90
17) Carbon Disulfide	4.718	76	182834	53.421	ug/l	99
18) Methyl Acetate	5.030	43	123024	51.417	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	278195	54.996	ug/l	98
20) Methylene Chloride	5.283	84	87603	53.639	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	84091	56.431	ug/l	97
22) Diisopropyl ether	6.677	45	236660	53.951	ug/l	97
23) Vinyl Acetate	6.606	43	951738m	259.822	ug/l	
24) 1,1-Dichloroethane	6.577	63	150271	54.165	ug/l	98
25) 2-Butanone	7.488	43	293976	255.156	ug/l	98
26) 2,2-Dichloropropane	7.494	77	135003	52.896	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	101513	57.044	ug/l	97
28) Bromochloromethane	7.818	49	48633	41.584	ug/l	88
29) Tetrahydrofuran	7.841	42	182994	245.793	ug/l	99
30) Chloroform	7.971	83	165615	54.982	ug/l	98
31) Cyclohexane	8.259	56	129883	50.481	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	149199	54.544	ug/l	96
36) 1,1-Dichloropropene	8.371	75	121351	61.258	ug/l	98
37) Ethyl Acetate	7.565	43	109380	50.348	ug/l	100
38) Carbon Tetrachloride	8.359	117	134520	61.732	ug/l	96
39) Methylcyclohexane	9.600	83	159305	60.914	ug/l	100
40) Benzene	8.606	78	366883	60.487	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	56978	54.742	ug/l	97
42) 1,2-Dichloroethane	8.671	62	125583	56.909	ug/l	97
43) Isopropyl Acetate	8.688	43	181233	53.781	ug/l	98
44) Trichloroethene	9.353	130	98886	64.982	ug/l	95
45) 1,2-Dichloropropane	9.624	63	88256	61.142	ug/l	99
46) Dibromomethane	9.706	93	66258	58.918	ug/l	92
47) Bromodichloromethane	9.888	83	132056	60.638	ug/l	97
48) Methyl methacrylate	9.682	41	86525	55.974	ug/l	96
49) 1,4-Dioxane	9.694	88	47353	1169.832	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	579067	266.290	ug/l	98
52) Toluene	10.629	92	247643	61.077	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	142374	61.937	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	153362	62.903	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	98973	61.563	ug/l	98
56) Ethyl methacrylate	10.876	69	144406	58.886	ug/l	97
57) 1,3-Dichloropropane	11.165	76	161467	60.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	222616	234.813	ug/l	98
59) 2-Hexanone	11.194	43	438606	265.753	ug/l	98
60) Dibromochloromethane	11.359	129	111027	65.458	ug/l	98
61) 1,2-Dibromoethane	11.470	107	102140	61.995	ug/l	100
64) Tetrachloroethene	11.106	164	89813	71.414	ug/l	95
65) Chlorobenzene	11.894	112	266396	60.840	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	103504	63.723	ug/l	98
67) Ethyl Benzene	11.965	91	480399	60.982	ug/l	97
68) m/p-Xylenes	12.070	106	388271	122.835	ug/l	100
69) o-Xylene	12.400	106	190843	61.051	ug/l	99
70) Styrene	12.412	104	316336	63.466	ug/l	98
71) Bromoform	12.576	173	85563	70.359	ug/l #	99
73) Isopropylbenzene	12.694	105	497547	55.777	ug/l	98
74) N-amyl acetate	12.494	43	163796	49.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	150700	59.139	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	125784m	53.316	ug/l	
77) Bromobenzene	12.982	156	120938	61.573	ug/l	86
78) n-propylbenzene	13.035	91	578884	57.801	ug/l	99
79) 2-Chlorotoluene	13.123	91	340016	55.559	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	430847	57.506	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46710	50.824	ug/l	95
82) 4-Chlorotoluene	13.123	91	340016	55.559	ug/l	98
83) tert-Butylbenzene	13.441	119	380434	57.145	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	433122	57.136	ug/l	98
85) sec-Butylbenzene	13.617	105	541878	58.184	ug/l	100
86) p-Isopropyltoluene	13.729	119	473862	61.609	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	240084	62.430	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	235386	61.846	ug/l	98
89) n-Butylbenzene	14.059	91	395741	63.894	ug/l	99
90) Hexachloroethane	14.335	117	78805	55.881	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	231031	60.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29758	49.457	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	128009	77.809	ug/l	98
94) Hexachlorobutadiene	15.500	225	63086	78.658	ug/l	99
95) Naphthalene	15.641	128	403387	63.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	122401	74.879	ug/l	99

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

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