

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112123\
 Data File : VN080234.D
 Acq On : 21 Nov 2023 16:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

Quant Time: Nov 22 00:08:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	217811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	179169	49.819	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.640%		
35) Dibromofluoromethane	8.165	113	127229	52.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.880%		
50) Toluene-d8	10.571	98	449547	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.853	95	173442	53.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	162269	50.015	ug/l	99
3) Chloromethane	2.365	50	98379	40.331	ug/l	97
4) Vinyl Chloride	2.512	62	116664	45.194	ug/l	97
5) Bromomethane	2.948	94	76573	43.695	ug/l	96
6) Chloroethane	3.124	64	71885	44.786	ug/l	95
7) Trichlorofluoromethane	3.501	101	269460	50.040	ug/l	95
8) Diethyl Ether	3.959	74	70608	45.086	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	120653	49.020	ug/l	94
10) Methyl Iodide	4.589	142	137774	51.795	ug/l #	88
11) Tert butyl alcohol	5.512	59	85648	216.560	ug/l #	87
12) 1,1-Dichloroethene	4.342	96	109537	47.581	ug/l	85
13) Acrolein	4.177	56	78432	224.088	ug/l	99
14) Allyl chloride	5.018	41	131646	45.452	ug/l	90
15) Acrylonitrile	5.712	53	226663	213.488	ug/l	99
16) Acetone	4.424	43	202646	167.761	ug/l	91
17) Carbon Disulfide	4.712	76	286624	41.698	ug/l	97
18) Methyl Acetate	5.018	43	156650	40.362	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	406895	50.049	ug/l	96
20) Methylene Chloride	5.277	84	123957	49.002	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	119744	47.347	ug/l #	84
22) Diisopropyl ether	6.671	45	300942	46.963	ug/l	96
23) Vinyl Acetate	6.600	43	856877	222.423	ug/l	94
24) 1,1-Dichloroethane	6.571	63	216445	46.375	ug/l	100
25) 2-Butanone	7.483	43	262550	182.939	ug/l	94
26) 2,2-Dichloropropane	7.494	77	237867	51.370	ug/l	95
27) cis-1,2-Dichloroethene	7.483	96	137494	47.952	ug/l	86
28) Bromochloromethane	7.812	49	84026	45.794	ug/l	100
29) Tetrahydrofuran	7.836	42	158721	205.994	ug/l	96
30) Chloroform	7.965	83	257451	49.352	ug/l	95
31) Cyclohexane	8.259	56	159285	40.726	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	262521	51.603	ug/l	96
36) 1,1-Dichloropropene	8.371	75	181712	52.222	ug/l	96
37) Ethyl Acetate	7.559	43	106845	44.268	ug/l	97
38) Carbon Tetrachloride	8.359	117	246084	55.730	ug/l	96
39) Methylcyclohexane	9.600	83	173552	51.728	ug/l	91
40) Benzene	8.606	78	492429	49.793	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	63786	48.123	ug/l	93
42) 1,2-Dichloroethane	8.671	62	222195	54.917	ug/l	94
43) Isopropyl Acetate	8.688	43	197040	41.952	ug/l	99
44) Trichloroethene	9.353	130	132403	51.039	ug/l	96
45) 1,2-Dichloropropane	9.624	63	112864	49.109	ug/l	97
46) Dibromomethane	9.712	93	90612	52.085	ug/l	92
47) Bromodichloromethane	9.888	83	210447	54.992	ug/l	99
48) Methyl methacrylate	9.682	41	117789	48.664	ug/l	92
49) 1,4-Dioxane	9.694	88	33725	837.539	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	556379	228.808	ug/l	98
52) Toluene	10.629	92	321833	52.000	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	213941	54.413	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	215072	53.542	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	118755	50.274	ug/l	99
56) Ethyl methacrylate	10.877	69	129281	53.573	ug/l	93
57) 1,3-Dichloropropane	11.165	76	209823	50.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	385972	283.906	ug/l	99
59) 2-Hexanone	11.194	43	428183	219.136	ug/l	93
60) Dibromochloromethane	11.359	129	156047	55.179	ug/l	99
61) 1,2-Dibromoethane	11.471	107	123482	51.241	ug/l	98
64) Tetrachloroethene	11.106	164	122894	53.966	ug/l	99
65) Chlorobenzene	11.894	112	330072	48.816	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	142965	54.486	ug/l	93
67) Ethyl Benzene	11.965	91	641176	53.291	ug/l	95
68) m/p-Xylenes	12.071	106	468369	106.767	ug/l	86
69) o-Xylene	12.400	106	223940	54.167	ug/l	86
70) Styrene	12.412	104	333518	54.201	ug/l #	91
71) Bromoform	12.576	173	103750	53.319	ug/l #	100
73) Isopropylbenzene	12.694	105	605790	52.475	ug/l	99
74) N-amyl acetate	12.494	43	163323	45.367	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	147701	42.748	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	164417m	45.169	ug/l	
77) Bromobenzene	12.982	156	146881	50.465	ug/l	94
78) n-propylbenzene	13.035	91	677359	52.471	ug/l	100
79) 2-Chlorotoluene	13.123	91	426712	50.893	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	536181	53.355	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	47681	44.256	ug/l #	77
82) 4-Chlorotoluene	13.223	91	441698	51.423	ug/l	96
83) tert-Butylbenzene	13.441	119	429171	53.255	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	529724	53.533	ug/l	97
85) sec-Butylbenzene	13.618	105	548860	53.838	ug/l	99
86) p-Isopropyltoluene	13.729	119	507772	55.757	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	256442	48.903	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	256628	48.697	ug/l	97
89) n-Butylbenzene	14.059	91	411616	54.000	ug/l	100
90) Hexachloroethane	14.335	117	86624	48.791	ug/l	69
91) 1,2-Dichlorobenzene	14.106	146	246984	49.219	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	35132	43.775	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	143690	49.233	ug/l	99
94) Hexachlorobutadiene	15.500	225	82207	48.946	ug/l	99
95) Naphthalene	15.641	128	367071	43.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	131485	48.064	ug/l	98

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

