

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081523\
 Data File : VN078884.D
 Acq On : 15 Aug 2023 12:13
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2023
 Supervised By : Mahesh Dadoda 08/16/2023

Quant Time: Aug 16 02:18:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:16:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	177566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	315322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	288409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131043	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136847	49.527	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.171	113	108030	50.896	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.800%
50) Toluene-d8	10.570	98	411083	52.159	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.853	95	137622	53.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	119201	48.381	ug/l	99
3) Chloromethane	2.365	50	165394	48.080	ug/l	93
4) Vinyl Chloride	2.512	62	148027	49.067	ug/l	100
5) Bromomethane	2.936	94	80778	46.637	ug/l	98
6) Chloroethane	3.112	64	99554	47.683	ug/l	92
7) Trichlorofluoromethane	3.489	101	182193	49.584	ug/l	96
8) Diethyl Ether	3.959	74	67232	48.264	ug/l #	56
9) 1,1,2-Trichlorotrifluo...	4.371	101	96794	49.461	ug/l	98
10) Methyl Iodide	4.589	142	116161	53.052	ug/l	95
11) Tert butyl alcohol	5.536	59	113696	245.220	ug/l	99
12) 1,1-Dichloroethene	4.347	96	94822	49.741	ug/l	83
13) Acrolein	4.183	56	62959	252.738	ug/l	93
14) Allyl chloride	5.024	41	197316	52.006	ug/l #	88
15) Acrylonitrile	5.724	53	316377	251.882	ug/l	98
16) Acetone	4.436	43	292125	256.230	ug/l #	87
17) Carbon Disulfide	4.712	76	261178	48.945	ug/l	99
18) Methyl Acetate	5.024	43	236160	49.034	ug/l #	81
19) Methyl tert-butyl Ether	5.800	73	348601	50.765	ug/l	94
20) Methylene Chloride	5.277	84	116888	48.110	ug/l #	78
21) trans-1,2-Dichloroethene	5.788	96	107240	50.167	ug/l #	78
22) Diisopropyl ether	6.677	45	410114	51.095	ug/l #	89
23) Vinyl Acetate	6.612	43	1375678	260.300	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	217836	49.679	ug/l	98
25) 2-Butanone	7.488	43	463017	253.310	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	179114	50.535	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	127028	48.891	ug/l	85
28) Bromochloromethane	7.824	49	117586	50.552	ug/l #	72
29) Tetrahydrofuran	7.847	42	301401	249.121	ug/l #	72
30) Chloroform	7.971	83	220811	50.406	ug/l	94
31) Cyclohexane	8.265	56	176932	51.421	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	187141	50.101	ug/l #	94
36) 1,1-Dichloropropene	8.377	75	165170	51.730	ug/l	93
37) Ethyl Acetate	7.571	43	186644	52.246	ug/l #	88
38) Carbon Tetrachloride	8.365	117	163640	51.150	ug/l	96
39) Methylcyclohexane	9.606	83	152824	52.043	ug/l #	89
40) Benzene	8.612	78	480307	50.894	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	102388	52.624	ug/l #	82
42) 1,2-Dichloroethane	8.671	62	177155	50.245	ug/l	97
43) Isopropyl Acetate	8.694	43	319047	50.528	ug/l #	86
44) Trichloroethene	9.359	130	113039	50.409	ug/l	98
45) 1,2-Dichloropropane	9.629	63	129238	51.434	ug/l	96
46) Dibromomethane	9.712	93	84823	49.217	ug/l	95
47) Bromodichloromethane	9.894	83	172453	50.674	ug/l	94
48) Methyl methacrylate	9.688	41	144182	50.391	ug/l #	77
49) 1,4-Dioxane	9.700	88	49790	1021.625	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	963652	257.319	ug/l #	86
52) Toluene	10.635	92	298311	51.484	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	193208	52.940	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	204247	51.386	ug/l #	85
55) 1,1,2-Trichloroethane	11.023	97	117590	50.614	ug/l	94
56) Ethyl methacrylate	10.882	69	191632	53.210	ug/l #	72
57) 1,3-Dichloropropane	11.165	76	208806	50.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	445401	257.641	ug/l	89
59) 2-Hexanone	11.200	43	709881	261.709	ug/l	84
60) Dibromochloromethane	11.365	129	125175	51.200	ug/l	97
61) 1,2-Dibromoethane	11.476	107	119264	50.515	ug/l	99
64) Tetrachloroethene	11.112	164	87667	48.470	ug/l	95
65) Chlorobenzene	11.894	112	311296	50.706	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	119537	51.523	ug/l	98
67) Ethyl Benzene	11.970	91	564405	50.555	ug/l	98
68) m/p-Xylenes	12.076	106	431275	103.322	ug/l	97
69) o-Xylene	12.400	106	213067	52.474	ug/l	97
70) Styrene	12.417	104	359387	53.081	ug/l	99
71) Bromoform	12.582	173	87228	51.715	ug/l #	99
73) Isopropylbenzene	12.700	105	530941	48.592	ug/l	99
74) N-amyl acetate	12.500	43	273055	49.508	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	182990	46.382	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	148091m	30.458	ug/l	
77) Bromobenzene	12.982	156	127694	48.619	ug/l	96
78) n-propylbenzene	13.041	91	632813	49.944	ug/l	98
79) 2-Chlorotoluene	13.129	91	375061	47.720	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	426500	49.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	62223	50.341	ug/l #	77
82) 4-Chlorotoluene	13.223	91	383141	49.820	ug/l	98
83) tert-Butylbenzene	13.441	119	364855	50.150	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	429858	50.136	ug/l	98
85) sec-Butylbenzene	13.623	105	492908	49.230	ug/l	99
86) p-Isopropyltoluene	13.735	119	404359	50.549	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	227064	50.242	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	223082	49.316	ug/l	99
89) n-Butylbenzene	14.059	91	341763	51.915	ug/l	98
90) Hexachloroethane	14.341	117	74221	46.286	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	218866	48.697	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	34247	52.728	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	83908	52.663	ug/l	96
94) Hexachlorobutadiene	15.505	225	40083	48.059	ug/l	98
95) Naphthalene	15.647	128	295348	48.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	89550	51.317	ug/l	98

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

