

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081523\
 Data File : VN078886.D
 Acq On : 15 Aug 2023 13:01
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 16 02:18:33 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	173696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	319844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	274136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	25052	9.269	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.540%#		
35) Dibromofluoromethane	8.171	113	19926	9.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.500%#		
50) Toluene-d8	10.571	98	71863	8.989	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.980%#		
62) 4-Bromofluorobenzene	12.853	95	20709	7.925	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	15.860%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	23523	9.760	ug/l	99
3) Chloromethane	2.365	50	35153	10.447	ug/l	96
4) Vinyl Chloride	2.512	62	28680	9.719	ug/l	97
5) Bromomethane	2.959	94	17871	10.548	ug/l	98
6) Chloroethane	3.124	64	21611	10.581	ug/l	96
7) Trichlorofluoromethane	3.501	101	35002	9.738	ug/l	98
8) Diethyl Ether	3.965	74	13674	10.035	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	4.377	101	18548	9.689	ug/l #	88
10) Methyl Iodide	4.595	142	19485	9.097	ug/l	97
11) Tert butyl alcohol	5.530	59	22762	50.187	ug/l #	91
12) 1,1-Dichloroethene	4.348	96	18168	9.743	ug/l	98
13) Acrolein	4.177	56	11189	43.051	ug/l	96
14) Allyl chloride	5.024	41	37332	10.059	ug/l #	89
15) Acrylonitrile	5.730	53	60557	49.286	ug/l	97
16) Acetone	4.436	43	56174	50.369	ug/l	90
17) Carbon Disulfide	4.718	76	51851	9.933	ug/l	98
18) Methyl Acetate	5.036	43	47762	10.138	ug/l #	81
19) Methyl tert-butyl Ether	5.800	73	64575	9.613	ug/l #	84
20) Methylene Chloride	5.277	84	23447	9.866	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	20205	9.662	ug/l	88
22) Diisopropyl ether	6.683	45	76950	9.801	ug/l #	82
23) Vinyl Acetate	6.612	43	238415	46.117	ug/l #	84
24) 1,1-Dichloroethane	6.577	63	41751	9.734	ug/l	96
25) 2-Butanone	7.489	43	88579	49.540	ug/l #	69
26) 2,2-Dichloropropane	7.494	77	35321	10.187	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	25122	9.884	ug/l	90
28) Bromochloromethane	7.824	49	20571	9.041	ug/l #	76
29) Tetrahydrofuran	7.841	42	58683	49.585	ug/l #	70
30) Chloroform	7.971	83	42185	9.844	ug/l	86
31) Cyclohexane	8.265	56	36817	8.743	ug/l #	69
32) 1,1,1-Trichloroethane	8.183	97	36535	9.999	ug/l	89
36) 1,1-Dichloropropene	8.371	75	30142	9.307	ug/l	94
37) Ethyl Acetate	7.571	43	36057	9.951	ug/l #	88
38) Carbon Tetrachloride	8.371	117	31469	9.697	ug/l	94
39) Methylcyclohexane	9.612	83	25983	8.723	ug/l #	82
40) Benzene	8.612	78	89891	9.390	ug/l	94

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41) Methacrylonitrile	7.783	41	18700	9.475	ug/l #	80
42) 1,2-Dichloroethane	8.677	62	33709	9.425	ug/l	96
43) Isopropyl Acetate	8.694	43	62390	9.741	ug/l #	83
44) Trichloroethene	9.359	130	21795	9.582	ug/l	98
45) 1,2-Dichloropropane	9.624	63	24117	9.462	ug/l	100
46) Dibromomethane	9.718	93	16687	9.546	ug/l	96
47) Bromodichloromethane	9.894	83	32469	9.406	ug/l	92
48) Methyl methacrylate	9.688	41	26986	9.298	ug/l #	73
49) 1,4-Dioxane	9.700	88	9211	186.326	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	180674	47.562	ug/l #	84
52) Toluene	10.635	92	54128	9.210	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	34241	9.250	ug/l	92
54) cis-1,3-Dichloropropene	10.318	75	38543	9.560	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	22548	9.568	ug/l	88
56) Ethyl methacrylate	10.877	69	31632	8.659	ug/l #	65
57) 1,3-Dichloropropane	11.171	76	40176	9.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	77398	44.138	ug/l #	86
59) 2-Hexanone	11.200	43	126167	45.856	ug/l	83
60) Dibromochloromethane	11.365	129	22315	8.998	ug/l	95
61) 1,2-Dibromoethane	11.477	107	22470	9.383	ug/l	96
64) Tetrachloroethene	11.106	164	16426	9.555	ug/l	88
65) Chlorobenzene	11.900	112	56960	9.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	21136	9.584	ug/l	98
67) Ethyl Benzene	11.965	91	97862	9.222	ug/l	100
68) m/p-Xylenes	12.076	106	72795	18.348	ug/l	94
69) o-Xylene	12.400	106	35244	9.132	ug/l	91
70) Styrene	12.418	104	56654	8.803	ug/l	97
71) Bromoform	12.582	173	14391	8.976	ug/l #	99
73) Isopropylbenzene	12.700	105	89010	10.319	ug/l	99
74) N-amyl acetate	12.500	43	43748	10.047	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	34116	10.953	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	28344m	7.384	ug/l	
77) Bromobenzene	12.982	156	21279	10.263	ug/l	93
78) n-propylbenzene	13.041	91	99880	9.985	ug/l	96
79) 2-Chlorotoluene	13.129	91	63782	10.279	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	68882	10.076	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	9991	10.239	ug/l #	77
82) 4-Chlorotoluene	13.223	91	59537	9.806	ug/l	100
83) tert-Butylbenzene	13.441	119	60438	10.523	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	67491	9.971	ug/l	97
85) sec-Butylbenzene	13.623	105	82327	10.415	ug/l	96
86) p-Isopropyltoluene	13.735	119	60960	9.653	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	35654	9.993	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	35684	9.992	ug/l	95
89) n-Butylbenzene	14.059	91	49124	9.452	ug/l	97
90) Hexachloroethane	14.335	117	13238	10.457	ug/l	95
91) 1,2-Dichlorobenzene	14.112	146	34909	9.839	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6409	8.876	ug/l	91
93) 1,2,4-Trichlorobenzene	15.406	180	10961	8.714	ug/l	97
94) Hexachlorobutadiene	15.506	225	7213	9.589	ug/l	95
95) Naphthalene	15.647	128	36377	9.812	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	13579	9.857	ug/l	97

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

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