

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079219.D
 Acq On : 11 Sep 2023 15:07
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Sep 12 02:36:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 11 16:44:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	136419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	232037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	205249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	67647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	10263	5.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.140%#		
35) Dibromofluoromethane	8.177	113	8362	5.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.840%#		
50) Toluene-d8	10.571	98	30307	5.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.700%#		
62) 4-Bromofluorobenzene	12.853	95	8934	4.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	6445	4.775	ug/l	91
3) Chloromethane	2.365	50	8579	4.842	ug/l	95
4) Vinyl Chloride	2.512	62	9559	4.951	ug/l	96
5) Bromomethane	2.936	94	6488	5.846	ug/l	93
6) Chloroethane	3.106	64	6734	4.591	ug/l	96
7) Trichlorofluoromethane	3.495	101	14673	5.190	ug/l	97
8) Diethyl Ether	3.971	74	5376	5.478	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.365	101	8047	5.352	ug/l	95
10) Methyl Iodide	4.583	142	5064	4.117	ug/l #	86
11) Tert butyl alcohol	5.524	59	10512	30.919	ug/l #	84
12) 1,1-Dichloroethene	4.347	96	7615	5.234	ug/l	95
13) Acrolein	4.189	56	8410	25.932	ug/l	94
14) Allyl chloride	5.030	41	12409	5.346	ug/l #	84
15) Acrylonitrile	5.730	53	22152	25.128	ug/l	99
16) Acetone	4.436	43	19673	25.154	ug/l	95
17) Carbon Disulfide	4.718	76	23411	5.148	ug/l #	93
18) Methyl Acetate	5.036	43	16877	5.250	ug/l #	85
19) Methyl tert-butyl Ether	5.794	73	24692	4.948	ug/l	95
20) Methylene Chloride	5.283	84	9826	5.163	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	8762	5.191	ug/l #	75
22) Diisopropyl ether	6.683	45	25401	4.988	ug/l #	93
23) Vinyl Acetate	6.612	43	78106	23.217	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	16163	5.149	ug/l #	93
25) 2-Butanone	7.494	43	28195	24.846	ug/l	88
26) 2,2-Dichloropropane	7.500	77	11946	4.498	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	9200	4.767	ug/l	84
28) Bromochloromethane	7.824	49	6867	4.838	ug/l #	84
29) Tetrahydrofuran	7.847	42	17353	24.030	ug/l #	81
30) Chloroform	7.977	83	16893	5.168	ug/l	88
31) Cyclohexane	8.259	56	15333	5.702	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	14174	5.087	ug/l	96
36) 1,1-Dichloropropene	8.377	75	11468	4.820	ug/l	97
37) Ethyl Acetate	7.571	43	11400m	4.871	ug/l	
38) Carbon Tetrachloride	8.365	117	12123	4.924	ug/l #	95
39) Methylcyclohexane	9.606	83	11925	5.082	ug/l #	87
40) Benzene	8.612	78	36328	4.988	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	5941	4.845	ug/l #	88
42) 1,2-Dichloroethane	8.682	62	12499	4.985	ug/l	98
43) Isopropyl Acetate	8.694	43	19243	4.970	ug/l #	91
44) Trichloroethene	9.359	130	9295	5.181	ug/l	99
45) 1,2-Dichloropropane	9.629	63	9205	5.093	ug/l	99
46) Dibromomethane	9.718	93	6132	4.998	ug/l #	87
47) Bromodichloromethane	9.894	83	12419	4.942	ug/l #	94
48) Methyl methacrylate	9.682	41	8498	4.900	ug/l	82
49) 1,4-Dioxane	9.700	88	3447	96.632	ug/l #	82
51) 4-Methyl-2-Pentanone	10.453	43	55325	24.615	ug/l	91
52) Toluene	10.635	92	22188	4.957	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	13108	4.947	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	13914	4.909	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	9046	5.151	ug/l	96
56) Ethyl methacrylate	10.882	69	11723	4.729	ug/l #	86
57) 1,3-Dichloropropane	11.171	76	15831	5.215	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	23663	24.737	ug/l	93
59) 2-Hexanone	11.200	43	40032	24.591	ug/l	88
60) Dibromochloromethane	11.365	129	9395	5.027	ug/l	100
61) 1,2-Dibromoethane	11.476	107	9380	5.352	ug/l	97
64) Tetrachloroethene	11.112	164	7610	5.085	ug/l	95
65) Chlorobenzene	11.900	112	23419	5.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	8991	5.157	ug/l	100
67) Ethyl Benzene	11.970	91	38202	4.803	ug/l	99
68) m/p-Xylenes	12.076	106	27729	9.354	ug/l	95
69) o-Xylene	12.400	106	13856	4.874	ug/l	96
70) Styrene	12.418	104	20205	4.419	ug/l	96
71) Bromoform	12.582	173	6123	4.757	ug/l #	99
73) Isopropylbenzene	12.700	105	33631	5.464	ug/l	100
74) N-amyl acetate	12.500	43	12449	5.331	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.947	83	13305	5.805	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	10231m	5.830	ug/l	
77) Bromobenzene	12.982	156	8401	5.391	ug/l	94
78) n-propylbenzene	13.041	91	35406	5.121	ug/l	98
79) 2-Chlorotoluene	13.129	91	24524	5.423	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	27009	5.267	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.747	75	3253	4.905	ug/l #	77
82) 4-Chlorotoluene	13.229	91	21843	5.141	ug/l	97
83) tert-Butylbenzene	13.441	119	22060	5.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	26014	5.326	ug/l	98
85) sec-Butylbenzene	13.623	105	30922	5.294	ug/l	100
86) p-Isopropyltoluene	13.735	119	24012	5.146	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	12963	5.071	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	13294	5.147	ug/l	97
89) n-Butylbenzene	14.059	91	18664	5.086	ug/l	96
90) Hexachloroethane	14.341	117	5262	5.553	ug/l	76
91) 1,2-Dichlorobenzene	14.112	146	13725	5.439	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1898	5.256	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	3789	4.178	ug/l	89
94) Hexachlorobutadiene	15.500	225	3670	5.145	ug/l	91
95) Naphthalene	15.647	128	10514	3.904	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	4653	4.350	ug/l	98

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

