

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076625.D
 Acq On : 13 Feb 2023 12:15
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Quant Time: Feb 13 12:33:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 13 12:16:38 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	397397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	680388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	616403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	322187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	392115	83.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 167.200%#			
35) Dibromofluoromethane	8.172	113	326473	77.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 154.380%#			
50) Toluene-d8	10.566	98	1270127	79.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 159.640%#			
62) 4-Bromofluorobenzene	12.848	95	438888	78.295	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 156.600%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	330984	80.172	ug/l	97
3) Chloromethane	2.378	50	368553	97.137	ug/l	98
4) Vinyl Chloride	2.525	62	381783	109.585	ug/l	97
5) Bromomethane	2.943	94	212533	82.225	ug/l	98
6) Chloroethane	3.113	64	242383	115.021	ug/l	96
7) Trichlorofluoromethane	3.507	101	522271	76.057	ug/l	100
8) Diethyl Ether	3.966	74	209043	80.394	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.384	101	299228	70.340	ug/l	96
10) Methyl Iodide	4.596	142	467045	75.063	ug/l	99
11) Tert butyl alcohol	5.537	59	272485	446.009	ug/l	100
12) 1,1-Dichloroethene	4.354	96	299602	75.389	ug/l	93
13) Acrolein	4.190	56	396666	486.014	ug/l	97
14) Allyl chloride	5.031	41	524790	101.394	ug/l #	89
15) Acrylonitrile	5.731	53	942872	514.295	ug/l	99
16) Acetone	4.437	43	765707	495.155	ug/l	89
17) Carbon Disulfide	4.719	76	801924	77.893	ug/l	98
18) Methyl Acetate	5.031	43	593735	121.349	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	1066596	80.700	ug/l	100
20) Methylene Chloride	5.278	84	352224	73.885	ug/l #	82
21) trans-1,2-Dichloroethene	5.795	96	326745	75.645	ug/l	93
22) Diisopropyl ether	6.678	45	1251471	106.686	ug/l #	91
23) Vinyl Acetate	6.613	43	4143486	564.524	ug/l #	90
24) 1,1-Dichloroethane	6.578	63	638968	84.827	ug/l	98
25) 2-Butanone	7.489	43	1286681	578.851	ug/l #	87
26) 2,2-Dichloropropane	7.495	77	490841	78.062	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	390912	77.388	ug/l	93
28) Bromochloromethane	7.819	49	315046	104.384	ug/l #	78
29) Tetrahydrofuran	7.842	42	866082	606.250	ug/l #	81
30) Chloroform	7.972	83	637755	78.047	ug/l	95
31) Cyclohexane	8.260	56	591801	79.827	ug/l	87
32) 1,1,1-Trichloroethane	8.172	97	556606	76.017	ug/l	95
36) 1,1-Dichloropropene	8.378	75	474716	78.611	ug/l	99
37) Ethyl Acetate	7.566	43	512603	113.301	ug/l #	94
38) Carbon Tetrachloride	8.366	117	493347	75.984	ug/l	98
39) Methylcyclohexane	9.601	83	578836	77.183	ug/l	93
40) Benzene	8.613	78	1452186	79.331	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	308334	120.363	ug/l #	86
42) 1,2-Dichloroethane	8.678	62	486193	81.577	ug/l	97
43) Isopropyl Acetate	8.695	43	886776	117.792	ug/l #	89
44) Trichloroethene	9.354	130	366289	74.932	ug/l	98
45) 1,2-Dichloropropane	9.625	63	381418	86.754	ug/l	94
46) Dibromomethane	9.713	93	252036	79.468	ug/l	97
47) Bromodichloromethane	9.889	83	507447	79.566	ug/l	100
48) Methyl methacrylate	9.683	41	409635	110.640	ug/l #	83
49) 1,4-Dioxane	9.695	88	138723	1751.521	ug/l #	94
51) 4-Methyl-2-Pentanone	10.448	43	2714933	600.041	ug/l #	86
52) Toluene	10.630	92	922252	78.067	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	551163	89.442	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	604745	86.059	ug/l #	87
55) 1,1,2-Trichloroethane	11.019	97	366016	79.105	ug/l	98
56) Ethyl methacrylate	10.878	69	573702	92.644	ug/l #	73
57) 1,3-Dichloropropane	11.166	76	611977	81.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1319724	745.752	ug/l	92
59) 2-Hexanone	11.195	43	1975569	612.454	ug/l	84
60) Dibromochloromethane	11.360	129	401483	82.336	ug/l	100
61) 1,2-Dibromoethane	11.472	107	371741	81.165	ug/l	99
64) Tetrachloroethene	11.107	164	294366	57.351	ug/l	99
65) Chlorobenzene	11.895	112	989984	77.663	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	366424	77.624	ug/l	98
67) Ethyl Benzene	11.966	91	1764729	77.900	ug/l	98
68) m/p-Xylenes	12.072	106	1373242	155.586	ug/l	98
69) o-Xylene	12.401	106	675934	78.205	ug/l	98
70) Styrene	12.413	104	1140877	82.994	ug/l	100
71) Bromoform	12.577	173	293328	89.022	ug/l #	99
73) Isopropylbenzene	12.695	105	1780839	67.491	ug/l	98
74) N-amyl acetate	12.495	43	826119	112.269	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.942	83	555013	76.739	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	465120m	77.375	ug/l	
77) Bromobenzene	12.983	156	423281	68.966	ug/l	99
78) n-propylbenzene	13.036	91	2098652	72.232	ug/l	99
79) 2-Chlorotoluene	13.130	91	1221918	66.021	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	1491890	68.125	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.736	75	179881	91.887	ug/l	94
82) 4-Chlorotoluene	13.130	91	1221918	66.021	ug/l	97
83) tert-Butylbenzene	13.442	119	1309013	66.735	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	1491100	68.419	ug/l	96
85) sec-Butylbenzene	13.618	105	1920989	72.625	ug/l	98
86) p-Isopropyltoluene	13.730	119	1596356	73.645	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	810259	71.728	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	812059	70.770	ug/l	99
89) n-Butylbenzene	14.060	91	1417978	82.611	ug/l	98
90) Hexachloroethane	14.336	117	292997	77.600	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	818257	73.471	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	110655	88.402	ug/l	99
93) 1,2,4-Trichlorobenzene	15.395	180	479974	94.052	ug/l	98
94) Hexachlorobutadiene	15.507	225	211182	73.593	ug/l	99
95) Naphthalene	15.642	128	1528362	102.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	460001	94.123	ug/l	99

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

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