

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102622\
 Data File : VN075020.D
 Acq On : 26 Oct 2022 12:37
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 06:08:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:06:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	119724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	223950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	213982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116805	72.409	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 144.820%#			
35) Dibromofluoromethane	8.171	113	96237	73.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 146.400%#			
50) Toluene-d8	10.571	98	390893	76.635	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 153.280%#			
62) 4-Bromofluorobenzene	12.853	95	147455	82.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 164.600%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	117775	75.620	ug/l	97
3) Chloromethane	2.371	50	110007	66.497	ug/l	100
4) Vinyl Chloride	2.524	62	161123	68.272	ug/l	96
5) Bromomethane	2.918	94	126001	65.146	ug/l	94
6) Chloroethane	3.095	64	109688	64.815	ug/l	96
7) Trichlorofluoromethane	3.489	101	165386	68.600	ug/l	97
8) Diethyl Ether	3.965	74	61394	69.818	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	92182	69.236	ug/l	99
10) Methyl Iodide	4.589	142	139303	70.280	ug/l	98
11) Tert butyl alcohol	5.547	59	128113	340.554	ug/l	99
12) 1,1-Dichloroethene	4.347	96	89335	70.392	ug/l	95
13) Acrolein	4.189	56	108805	353.605	ug/l	100
14) Allyl chloride	5.030	41	119939	64.708	ug/l	93
15) Acrylonitrile	5.730	53	282250	355.177	ug/l	99
16) Acetone	4.442	43	225092	329.543	ug/l	97
17) Carbon Disulfide	4.718	76	227101	71.159	ug/l	100
18) Methyl Acetate	5.036	43	155354	69.630	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	341687	72.439	ug/l	100
20) Methylene Chloride	5.283	84	103798	68.156	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	100396	72.251	ug/l	98
22) Diisopropyl ether	6.683	45	296668	72.527	ug/l	96
23) Vinyl Acetate	6.612	43	1241314m	390.681	ug/l	
24) 1,1-Dichloroethane	6.577	63	182233	70.441	ug/l	98
25) 2-Butanone	7.494	43	379057	352.822	ug/l	99
26) 2,2-Dichloropropane	7.500	77	171258	71.959	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	119841	72.219	ug/l	98
28) Bromochloromethane	7.818	49	77914	71.445	ug/l	94
29) Tetrahydrofuran	7.841	42	250115	360.271	ug/l	98
30) Chloroform	7.971	83	206103	73.377	ug/l	99
31) Cyclohexane	8.259	56	160058	66.713	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	188401	73.862	ug/l	96
36) 1,1-Dichloropropene	8.377	75	149094	73.251	ug/l	99
37) Ethyl Acetate	7.571	43	154334	69.141	ug/l	99
38) Carbon Tetrachloride	8.371	117	167319	74.731	ug/l	99
39) Methylcyclohexane	9.606	83	201108	74.843	ug/l	96
40) Benzene	8.612	78	453289	72.735	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	76503	71.536	ug/l	97
42) 1,2-Dichloroethane	8.677	62	157480	69.456	ug/l	98
43) Isopropyl Acetate	8.694	43	247986	71.623	ug/l	98
44) Trichloroethene	9.359	130	113521	72.605	ug/l	99
45) 1,2-Dichloropropane	9.624	63	107678	72.603	ug/l	98
46) Dibromomethane	9.712	93	83169	71.978	ug/l	99
47) Bromodichloromethane	9.888	83	162495	72.620	ug/l	96
48) Methyl methacrylate	9.682	41	110909	69.831	ug/l	98
49) 1,4-Dioxane	9.700	88	62265	1497.110	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	801510	358.731	ug/l	98
52) Toluene	10.635	92	316409	75.952	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	184483	78.111	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	190171	75.916	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	121810	73.742	ug/l	97
56) Ethyl methacrylate	10.876	69	192917	76.565	ug/l	98
57) 1,3-Dichloropropane	11.165	76	202102	73.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	370858	380.721	ug/l	98
59) 2-Hexanone	11.200	43	615960	363.237	ug/l	98
60) Dibromochloromethane	11.365	129	137779	79.058	ug/l	99
61) 1,2-Dibromoethane	11.470	107	131027	77.402	ug/l	99
64) Tetrachloroethene	11.106	164	91981	70.113	ug/l	98
65) Chlorobenzene	11.894	112	339046	74.230	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	126494	74.656	ug/l	99
67) Ethyl Benzene	11.965	91	616256	74.993	ug/l	98
68) m/p-Xylenes	12.076	106	510335	154.774	ug/l	100
69) o-Xylene	12.400	106	251855	77.236	ug/l	96
70) Styrene	12.412	104	416633	80.131	ug/l	98
71) Bromoform	12.582	173	105171	82.906	ug/l #	99
73) Isopropylbenzene	12.700	105	660439	68.828	ug/l	98
74) N-amyl acetate	12.494	43	233467	65.786	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	201139	64.262	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	178971m	63.292	ug/l	
77) Bromobenzene	12.982	156	143836	68.078	ug/l	97
78) n-propylbenzene	13.041	91	755583	70.136	ug/l	100
79) 2-Chlorotoluene	13.129	91	447413	67.963	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	578887	71.827	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	76514	77.394	ug/l	89
82) 4-Chlorotoluene	13.129	91	447413	67.963	ug/l	98
83) tert-Butylbenzene	13.441	119	503561	70.317	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	586599	71.937	ug/l	100
85) sec-Butylbenzene	13.617	105	723993	72.268	ug/l	100
86) p-Isopropyltoluene	13.729	119	626054	75.668	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	305788	73.919	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	298387	72.883	ug/l	100
89) n-Butylbenzene	14.059	91	506585	76.034	ug/l	99
90) Hexachloroethane	14.335	117	108608	71.595	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	295366	71.820	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44253	68.371	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	132815	75.049	ug/l	99
94) Hexachlorobutadiene	15.506	225	60071	69.628	ug/l	99
95) Naphthalene	15.641	128	500495	73.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	130402	74.160	ug/l	99

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

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