

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075666.D
 Acq On : 09 Dec 2022 13:45
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 09 14:03:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 09 13:25:23 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	216076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	309269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43712	37.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	75.380%		
35) Dibromofluoromethane	8.171	113	39205	29.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	58.540%#		
50) Toluene-d8	10.571	98	149820	49.654	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.853	95	49978	22.441	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	44.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	29829	18.054	ug/l	95
3) Chloromethane	2.371	50	35688	17.359	ug/l	100
4) Vinyl Chloride	2.524	62	44528	17.185	ug/l	98
5) Bromomethane	2.954	94	37487	16.453	ug/l	89
6) Chloroethane	3.124	64	34584	17.615	ug/l	91
7) Trichlorofluoromethane	3.506	101	65987	17.827	ug/l	96
8) Diethyl Ether	3.971	74	23387	18.027	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	38086	18.638	ug/l	91
10) Methyl Iodide	4.600	142	64088	19.355	ug/l	93
11) Tert butyl alcohol	5.530	59	32168	66.067	ug/l	98
12) 1,1-Dichloroethene	4.359	96	36475	18.229	ug/l	85
13) Acrolein	4.195	56	38384	90.492	ug/l	98
14) Allyl chloride	5.042	41	45387m	17.536	ug/l	
15) Acrylonitrile	5.736	53	85455	76.499	ug/l	99
16) Acetone	4.442	43	76119	70.359	ug/l	97
17) Carbon Disulfide	4.724	76	92195	17.729	ug/l	100
18) Methyl Acetate	5.042	43	46250	14.441	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	124589	17.576	ug/l	99
20) Methylene Chloride	5.289	84	42065	16.595	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	40674	17.836	ug/l	96
22) Diisopropyl ether	6.683	45	106476	18.027	ug/l	97
23) Vinyl Acetate	6.612	43	399884	85.100	ug/l	97
24) 1,1-Dichloroethane	6.583	63	67541	17.815	ug/l	97
25) 2-Butanone	7.489	43	110491	73.152	ug/l	98
26) 2,2-Dichloropropane	7.494	77	58635	16.641	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	48493	18.806	ug/l	92
28) Bromochloromethane	7.824	49	29063	18.885	ug/l	84
29) Tetrahydrofuran	7.847	42	70201	76.410	ug/l	96
30) Chloroform	7.971	83	76933	17.671	ug/l	98
31) Cyclohexane	8.265	56	65251	17.707	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	71156	18.000	ug/l	94
36) 1,1-Dichloropropene	8.377	75	56312	19.275	ug/l	97
37) Ethyl Acetate	7.565	43	47042	17.883	ug/l	98
38) Carbon Tetrachloride	8.365	117	62888	19.596	ug/l	99
39) Methylcyclohexane	9.606	83	72003	19.693	ug/l	96
40) Benzene	8.612	78	169272	18.924	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	21962	16.330	ug/l	91
42) 1,2-Dichloroethane	8.677	62	56114	18.732	ug/l	95
43) Isopropyl Acetate	8.694	43	73943	17.512	ug/l	96
44) Trichloroethene	9.359	130	47064	19.230	ug/l	94
45) 1,2-Dichloropropane	9.624	63	39383	18.476	ug/l	97
46) Dibromomethane	9.712	93	30642	19.006	ug/l #	89
47) Bromodichloromethane	9.888	83	59770	19.143	ug/l #	95
48) Methyl methacrylate	9.682	41	34103	17.467	ug/l	96
49) 1,4-Dioxane	9.694	88	17239	310.950	ug/l	90
51) 4-Methyl-2-Pentanone	10.447	43	232251	86.360	ug/l	96
52) Toluene	10.635	92	113431	19.679	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	60059	19.161	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	65430	19.220	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	45034	19.183	ug/l	95
56) Ethyl methacrylate	10.877	69	61083	19.266	ug/l	96
57) 1,3-Dichloropropane	11.165	76	72249	18.874	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	88513	77.410	ug/l	96
59) 2-Hexanone	11.200	43	168176	83.279	ug/l	97
60) Dibromochloromethane	11.365	129	48526	20.137	ug/l	97
61) 1,2-Dibromoethane	11.471	107	45871	18.825	ug/l	99
64) Tetrachloroethene	11.106	164	43060	18.232	ug/l	94
65) Chlorobenzene	11.894	112	123386	19.319	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	45768	19.200	ug/l	99
67) Ethyl Benzene	11.965	91	215506	19.778	ug/l	98
68) m/p-Xylenes	12.076	106	172588	39.004	ug/l	98
69) o-Xylene	12.400	106	86407	19.654	ug/l	96
70) Styrene	12.412	104	140444	20.250	ug/l	97
71) Bromoform	12.582	173	36507	20.122	ug/l #	97
73) Isopropylbenzene	12.700	105	220854	19.616	ug/l	97
74) N-amyl acetate	12.494	43	63094	18.228	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	64297	18.732	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	60293m	20.693	ug/l	
77) Bromobenzene	12.982	156	54097	19.462	ug/l	83
78) n-propylbenzene	13.035	91	247750	19.718	ug/l	99
79) 2-Chlorotoluene	13.129	91	148014	19.551	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	188503	20.152	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16787	17.047	ug/l	96
82) 4-Chlorotoluene	13.129	91	148014	19.551	ug/l	95
83) tert-Butylbenzene	13.441	119	167854	19.681	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	190595	20.314	ug/l	99
85) sec-Butylbenzene	13.618	105	233937	20.216	ug/l	99
86) p-Isopropyltoluene	13.729	119	199474	20.488	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	102529	19.468	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	103662	19.377	ug/l	97
89) n-Butylbenzene	14.059	91	153690	18.690	ug/l	99
90) Hexachloroethane	14.335	117	33667	20.044	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	101509	19.774	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11756	18.080	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	50196	19.081	ug/l	96
94) Hexachlorobutadiene	15.506	225	28006	20.438	ug/l	98
95) Naphthalene	15.641	128	142069	17.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	48208	18.645	ug/l	97

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

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