

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102622\
 Data File : VN075018.D
 Acq On : 26 Oct 2022 11:49
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 06:08:00 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	8.230	168	99512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	182488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	168096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	27153	20.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.500%#		
35) Dibromofluoromethane	8.171	113	20545	19.178	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.360%#		
50) Toluene-d8	10.571	98	79818	19.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.400%#		
62) 4-Bromofluorobenzene	12.853	95	27255	18.667	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.340%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	27067	20.909	ug/l	97
3) Chloromethane	2.377	50	31126	22.637	ug/l	98
4) Vinyl Chloride	2.524	62	41314	21.061	ug/l	97
5) Bromomethane	2.942	94	32545	20.244	ug/l	93
6) Chloroethane	3.118	64	30284	21.530	ug/l	94
7) Trichlorofluoromethane	3.500	101	40571	20.246	ug/l	97
8) Diethyl Ether	3.971	74	14688	20.096	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	22783	20.587	ug/l	99
10) Methyl Iodide	4.600	142	34214	20.767	ug/l	98
11) Tert butyl alcohol	5.536	59	31946	102.168	ug/l	100
12) 1,1-Dichloroethene	4.353	96	21978	20.835	ug/l	98
13) Acrolein	4.189	56	27448	107.321	ug/l	98
14) Allyl chloride	5.036	41	32558	21.133	ug/l	97
15) Acrylonitrile	5.736	53	69255	104.850	ug/l	99
16) Acetone	4.442	43	60337	106.277	ug/l	97
17) Carbon Disulfide	4.730	76	54162	20.418	ug/l	99
18) Methyl Acetate	5.036	43	39907	21.519	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	79203	20.202	ug/l	98
20) Methylene Chloride	5.283	84	26340	20.808	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	22570	19.542	ug/l	98
22) Diisopropyl ether	6.683	45	68987	20.291	ug/l	96
23) Vinyl Acetate	6.618	43	290817m	110.120	ug/l	
24) 1,1-Dichloroethane	6.577	63	43644	20.297	ug/l	98
25) 2-Butanone	7.494	43	95475	106.917	ug/l	94
26) 2,2-Dichloropropane	7.506	77	39789	20.114	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	26918	19.516	ug/l	97
28) Bromochloromethane	7.824	49	18469	20.375	ug/l	99
29) Tetrahydrofuran	7.847	42	60412	104.693	ug/l	98
30) Chloroform	7.977	83	46364	19.859	ug/l	99
31) Cyclohexane	8.265	56	39192	19.653	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	41976	19.799	ug/l	93
36) 1,1-Dichloropropene	8.377	75	33933	20.459	ug/l	99
37) Ethyl Acetate	7.571	43	36531	20.084	ug/l	99
38) Carbon Tetrachloride	8.371	117	35975	19.719	ug/l	95
39) Methylcyclohexane	9.606	83	44311	20.237	ug/l	96
40) Benzene	8.612	78	103488	20.379	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	17533	20.120	ug/l	96
42) 1,2-Dichloroethane	8.677	62	38098	20.621	ug/l	99
43) Isopropyl Acetate	8.694	43	59733	21.172	ug/l	99
44) Trichloroethene	9.359	130	25772	20.228	ug/l	94
45) 1,2-Dichloropropane	9.624	63	24586	20.344	ug/l	98
46) Dibromomethane	9.712	93	19298	20.496	ug/l	97
47) Bromodichloromethane	9.888	83	35873	19.674	ug/l	94
48) Methyl methacrylate	9.682	41	27060	20.909	ug/l	94
49) 1,4-Dioxane	9.694	88	14750	435.230	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	190942	104.877	ug/l	99
52) Toluene	10.635	92	66349	19.545	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	38341	19.922	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	40866	20.020	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	25884	19.230	ug/l #	83
56) Ethyl methacrylate	10.876	69	41173	20.053	ug/l	97
57) 1,3-Dichloropropane	11.165	76	44739	19.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	79089	99.640	ug/l	98
59) 2-Hexanone	11.200	43	145044	104.967	ug/l	98
60) Dibromochloromethane	11.365	129	27267	19.201	ug/l	97
61) 1,2-Dibromoethane	11.471	107	27304	19.794	ug/l	99
64) Tetrachloroethene	11.106	164	21041	20.417	ug/l	90
65) Chlorobenzene	11.894	112	71087	19.812	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	25984	19.522	ug/l	98
67) Ethyl Benzene	11.965	91	128401	19.890	ug/l	99
68) m/p-Xylenes	12.076	106	103322	39.889	ug/l	99
69) o-Xylene	12.400	106	50085	19.552	ug/l	98
70) Styrene	12.412	104	81407	19.931	ug/l	98
71) Bromoform	12.576	173	18696	18.761	ug/l #	97
73) Isopropylbenzene	12.700	105	129128	20.197	ug/l	99
74) N-amyl acetate	12.494	43	50160	21.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	43961	21.079	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	33988m	18.039	ug/l	
77) Bromobenzene	12.982	156	27797	19.745	ug/l	93
78) n-propylbenzene	13.041	91	148195	20.645	ug/l	98
79) 2-Chlorotoluene	13.129	91	91907	20.953	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	109003	20.298	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	12956	19.668	ug/l	98
82) 4-Chlorotoluene	13.129	91	91907	20.953	ug/l	99
83) tert-Butylbenzene	13.441	119	97738	20.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	112880	20.775	ug/l	99
85) sec-Butylbenzene	13.617	105	136447	20.441	ug/l	100
86) p-Isopropyltoluene	13.729	119	114133	20.703	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	53966	19.579	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	54437	19.956	ug/l	98
89) n-Butylbenzene	14.059	91	88871	20.019	ug/l	99
90) Hexachloroethane	14.335	117	20212	19.997	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	54134	19.755	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8734	20.252	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	22130	18.767	ug/l	98
94) Hexachlorobutadiene	15.500	225	11685	20.327	ug/l	96
95) Naphthalene	15.641	128	88734	19.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	22968	19.603	ug/l	99

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

