

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
 Data File : VN074941.D
 Acq On : 20 Oct 2022 14:50
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2022
 Supervised By : Mahesh Dadoda 10/21/2022

Quant Time: Oct 21 03:04:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 03:02:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	430142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	761240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	805974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	487744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109539	10.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.200%#		
35) Dibromofluoromethane	8.171	113	86913	10.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.900%#		
50) Toluene-d8	10.571	98	319866	9.594	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.180%#		
62) 4-Bromofluorobenzene	12.847	95	103038	10.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	21.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	71184	9.897	ug/l	93
3) Chloromethane	2.377	50	90715	8.651	ug/l	97
4) Vinyl Chloride	2.524	62	126239	7.628	ug/l	98
5) Bromomethane	2.959	94	92768	5.774	ug/l	85
6) Chloroethane	3.130	64	97763	6.488	ug/l	99
7) Trichlorofluoromethane	3.506	101	134841	11.721	ug/l	99
8) Diethyl Ether	3.977	74	51354	10.067	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	76193	10.886	ug/l	97
10) Methyl Iodide	4.606	142	99377	10.225	ug/l	99
11) Tert butyl alcohol	5.547	59	125555	52.031	ug/l	100
12) 1,1-Dichloroethene	4.353	96	65289	9.612	ug/l #	86
13) Acrolein	4.189	56	59567	37.607	ug/l	96
14) Allyl chloride	5.047	41	103412m	8.325	ug/l	
15) Acrylonitrile	5.736	53	250813	44.801	ug/l #	89
16) Acetone	4.447	43	259642	54.117	ug/l	100
17) Carbon Disulfide	4.718	76	138897	9.333	ug/l	97
18) Methyl Acetate	5.041	43	156539	9.205	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	273377	10.392	ug/l	99
20) Methylene Chloride	5.289	84	89642	9.241	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	75273	10.138	ug/l #	75
22) Diisopropyl ether	6.683	45	241260	9.093	ug/l	95
23) Vinyl Acetate	6.618	43	939805m	44.097	ug/l	
24) 1,1-Dichloroethane	6.583	63	153658	9.900	ug/l	97
25) 2-Butanone	7.488	43	355272	45.519	ug/l	97
26) 2,2-Dichloropropane	7.494	77	135621	11.001	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	90313	9.568	ug/l	93
28) Bromochloromethane	7.818	49	66720	9.580	ug/l	95
29) Tetrahydrofuran	7.847	42	214274	40.860	ug/l	99
30) Chloroform	7.971	83	163689	10.232	ug/l	98
31) Cyclohexane	8.265	56	116369	9.158	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	144643	10.670	ug/l	92
36) 1,1-Dichloropropene	8.377	75	105439	9.285	ug/l	100
37) Ethyl Acetate	7.565	43	134851	8.847	ug/l	99
38) Carbon Tetrachloride	8.359	117	114883	10.169	ug/l	97
39) Methylcyclohexane	9.600	83	120491	9.326	ug/l #	83
40) Benzene	8.612	78	331945	9.119	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	62424	7.792	ug/l	97
42) 1,2-Dichloroethane	8.677	62	128091	10.510	ug/l	98
43) Isopropyl Acetate	8.694	43	206720	8.387	ug/l	98
44) Trichloroethene	9.353	130	80303	9.766	ug/l	98
45) 1,2-Dichloropropane	9.624	63	88580	8.990	ug/l	96
46) Dibromomethane	9.712	93	65737	10.391	ug/l	98
47) Bromodichloromethane	9.894	83	128359	10.113	ug/l	91
48) Methyl methacrylate	9.676	41	91767	8.321	ug/l	97
49) 1,4-Dioxane	9.694	88	55271	223.383	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	709648	44.497	ug/l	97
52) Toluene	10.629	92	216233	9.651	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	121566	9.334	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	142065	10.109	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	95879	10.335	ug/l	96
56) Ethyl methacrylate	10.876	69	149107	10.099	ug/l	94
57) 1,3-Dichloropropane	11.165	76	160602	9.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	267958	44.224	ug/l	98
59) 2-Hexanone	11.200	43	534823	45.598	ug/l	97
60) Dibromochloromethane	11.359	129	96117	10.588	ug/l	97
61) 1,2-Dibromoethane	11.470	107	90054	10.013	ug/l	96
64) Tetrachloroethene	11.106	164	66026	9.852	ug/l	89
65) Chlorobenzene	11.894	112	229268	10.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	89964	10.612	ug/l	99
67) Ethyl Benzene	11.965	91	413751	10.286	ug/l	99
68) m/p-Xylenes	12.070	106	319599	20.993	ug/l	99
69) o-Xylene	12.400	106	159506	10.081	ug/l	92
70) Styrene	12.412	104	258972	10.519	ug/l	97
71) Bromoform	12.582	173	66877	11.140	ug/l #	100
73) Isopropylbenzene	12.700	105	422285	9.742	ug/l	98
74) N-amyl acetate	12.494	43	173416	8.098	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	166940	9.871	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	144197m	11.763	ug/l	
77) Bromobenzene	12.982	156	93969	9.733	ug/l	95
78) n-propylbenzene	13.035	91	471504	9.694	ug/l	98
79) 2-Chlorotoluene	13.129	91	295503	10.673	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	357971	10.561	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	42642m	9.414	ug/l	
82) 4-Chlorotoluene	13.129	91	295503	10.673	ug/l	97
83) tert-Butylbenzene	13.441	119	319895	10.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	352840	10.880	ug/l	99
85) sec-Butylbenzene	13.617	105	430345	10.041	ug/l	100
86) p-Isopropyltoluene	13.729	119	340756	10.509	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	172532	10.717	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	175389	10.852	ug/l	96
89) n-Butylbenzene	14.059	91	295845	11.021	ug/l	98
90) Hexachloroethane	14.335	117	68875	10.102	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	176240	10.858	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32949	12.102	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	77195	9.629	ug/l	99
94) Hexachlorobutadiene	15.500	225	40445	9.864	ug/l	99
95) Naphthalene	15.641	128	285649	9.545	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	77487	9.477	ug/l	99

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

