

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074736.D
 Acq On : 05 Oct 2022 12:10
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 06 04:38:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 04:37:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	337373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	628923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	339994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	36818	4.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.220%#		
35) Dibromofluoromethane	8.171	113	29856	4.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.440%#		
50) Toluene-d8	10.571	98	126755	4.728	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.460%#		
62) 4-Bromofluorobenzene	12.853	95	36058	4.425	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	38753	5.601	ug/l	94
3) Chloromethane	2.383	50	51726	5.027	ug/l	93
4) Vinyl Chloride	2.530	62	61028	4.790	ug/l	90
5) Bromomethane	2.930	94	50642	5.637	ug/l	96
6) Chloroethane	3.106	64	50703m	5.353	ug/l	
7) Trichlorofluoromethane	3.501	101	53320	5.275	ug/l #	70
8) Diethyl Ether	3.989	74	26852	5.127	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.383	101	30622	4.978	ug/l	94
10) Methyl Iodide	4.606	142	36241	4.859	ug/l #	95
11) Tert butyl alcohol	5.565	59	80074m	30.223	ug/l	
12) 1,1-Dichloroethene	4.359	96	35746	5.442	ug/l	92
13) Acrolein	4.200	56	28468m	35.814	ug/l	
14) Allyl chloride	5.048	41	65747	4.811	ug/l	90
15) Acrylonitrile	5.747	53	153856	26.348	ug/l	93
16) Acetone	4.465	43	120489	26.598	ug/l	97
17) Carbon Disulfide	4.730	76	94266	5.268	ug/l #	95
18) Methyl Acetate	5.053	43	79290	4.728	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	132196	5.190	ug/l	95
20) Methylene Chloride	5.300	84	45245	5.400	ug/l #	81
21) trans-1,2-Dichloroethene	5.812	96	35740	4.927	ug/l #	82
22) Diisopropyl ether	6.694	45	147065	5.189	ug/l	99
23) Vinyl Acetate	6.618	43	612756	26.099	ug/l	98
24) 1,1-Dichloroethane	6.594	63	74149	5.032	ug/l #	91
25) 2-Butanone	7.500	43	211357	25.708	ug/l	99
26) 2,2-Dichloropropane	7.494	77	62256	5.122	ug/l	97
27) cis-1,2-Dichloroethene	7.506	96	42902	5.146	ug/l	96
28) Bromochloromethane	7.830	49	30287	4.555	ug/l	94
29) Tetrahydrofuran	7.859	42	137581	24.011	ug/l	99
30) Chloroform	7.983	83	68799	5.097	ug/l	88
31) Cyclohexane	8.265	56	76526	5.539	ug/l	88
32) 1,1,1-Trichloroethane	8.183	97	60071	5.221	ug/l #	86
36) 1,1-Dichloropropene	8.388	75	49839	4.924	ug/l	99
37) Ethyl Acetate	7.500	43	211357	5.033	ug/l #	49
38) Carbon Tetrachloride	8.365	117	49741	5.216	ug/l	92
39) Methylcyclohexane	9.606	83	67777	5.174	ug/l	95
40) Benzene	8.618	78	171539	5.240	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.800	41	38640	4.836	ug/l	93
42) 1,2-Dichloroethane	8.677	62	48881	4.757	ug/l	92
43) Isopropyl Acetate	8.700	43	129428	5.163	ug/l	96
44) Trichloroethene	9.353	130	34574	5.071	ug/l	86
45) 1,2-Dichloropropane	9.624	63	46498	5.245	ug/l	99
46) Dibromomethane	9.712	93	27260	5.241	ug/l	89
47) Bromodichloromethane	9.894	83	55097	5.185	ug/l	94
48) Methyl methacrylate	9.612	41	57919	5.628	ug/l #	99
49) 1,4-Dioxane	9.706	88	23292	104.426	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	403633	25.005	ug/l	100
52) Toluene	10.630	92	98442	5.005	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61277	4.839	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	71076	5.199	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	39089	4.943	ug/l	90
56) Ethyl methacrylate	10.877	69	70693	4.908	ug/l	99
57) 1,3-Dichloropropane	11.165	76	71177	4.994	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	115233	22.183	ug/l	99
59) 2-Hexanone	11.194	43	293262	24.019	ug/l	100
60) Dibromochloromethane	11.365	129	38467	4.938	ug/l	94
61) 1,2-Dibromoethane	11.471	107	39789	4.948	ug/l	95
64) Tetrachloroethene	11.106	164	26148	5.121	ug/l #	84
65) Chlorobenzene	11.894	112	103356	5.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	33805	4.805	ug/l	96
67) Ethyl Benzene	11.965	91	184764	5.145	ug/l	100
68) m/p-Xylenes	12.071	106	142255	10.552	ug/l	93
69) o-Xylene	12.400	106	72193	5.220	ug/l	97
70) Styrene	12.412	104	111293	5.104	ug/l	97
71) Bromoform	12.576	173	25564	4.764	ug/l #	100
73) Isopropylbenzene	12.700	105	172857	5.283	ug/l	98
74) N-amyl acetate	12.494	43	99449	5.027	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	67571	5.218	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	60690m	5.745	ug/l	
77) Bromobenzene	12.982	156	34633	5.124	ug/l	88
78) n-propylbenzene	13.035	91	197721	5.246	ug/l	98
79) 2-Chlorotoluene	13.123	91	117097	5.123	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	139832	5.359	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	27791	5.336	ug/l	92
82) 4-Chlorotoluene	13.223	91	107013	5.050	ug/l	100
83) tert-Butylbenzene	13.435	119	116864	5.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	137450	5.210	ug/l	98
85) sec-Butylbenzene	13.618	105	168615	5.146	ug/l	99
86) p-Isopropyltoluene	13.729	119	130092	5.145	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	64371	4.961	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	59568	4.860	ug/l	91
89) n-Butylbenzene	14.053	91	111935	5.022	ug/l	97
90) Hexachloroethane	14.335	117	29231	5.170	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	59826	4.788	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13577	4.975	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	26537	4.855	ug/l	95
94) Hexachlorobutadiene	15.500	225	14732	5.762	ug/l	94
95) Naphthalene	15.641	128	109386	4.629	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	25588	4.356	ug/l	93

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

