

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101422\
 Data File : VN074901.D
 Acq On : 14 Oct 2022 10:22
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 17 01:10:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101422W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 01:09:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	260361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	461917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	491735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253172	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	31962	5.070	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.140%#
35) Dibromofluoromethane	8.182	113	26294	5.241	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.480%#
50) Toluene-d8	10.571	98	100820	4.871	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.740%#
62) 4-Bromofluorobenzene	12.847	95	24508	4.158	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	8.320%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.148	85	26295	5.264	ug/l	86
3) Chloromethane	2.377	50	39305	5.378	ug/l	96
4) Vinyl Chloride	2.536	62	57236	5.447	ug/l #	83
5) Bromomethane	2.924	94	51409	6.112	ug/l	97
6) Chloroethane	3.112	64	47647m	5.754	ug/l	
7) Trichlorofluoromethane	3.506	101	40686	5.367	ug/l #	81
8) Diethyl Ether	3.977	74	19155	5.513	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	26766	5.773	ug/l	93
10) Methyl Iodide	4.618	142	26785m	5.048	ug/l	
11) Tert butyl alcohol	5.553	59	45662	29.432	ug/l #	83
12) 1,1-Dichloroethene	4.347	96	24484	5.397	ug/l #	67
13) Acrolein	4.194	56	43389	26.430	ug/l #	60
14) Allyl chloride	5.024	41	42416m	4.928	ug/l	
15) Acrylonitrile	5.741	53	98052	25.850	ug/l	99
16) Acetone	4.459	43	87560	26.946	ug/l	91
17) Carbon Disulfide	4.724	76	62122	5.458	ug/l #	95
18) Methyl Acetate	5.053	43	56566	4.862	ug/l #	74
19) Methyl tert-butyl Ether	5.812	73	90854	5.130	ug/l	94
20) Methylene Chloride	5.300	84	37918	6.183	ug/l #	74
21) trans-1,2-Dichloroethene	5.806	96	27377	5.514	ug/l #	85
22) Diisopropyl ether	6.694	45	104510	5.157	ug/l #	93
23) Vinyl Acetate	6.624	43	378742	25.468	ug/l	96
24) 1,1-Dichloroethane	6.583	63	56887	5.216	ug/l #	93
25) 2-Butanone	7.500	43	135602	25.343	ug/l	93
26) 2,2-Dichloropropane	7.500	77	44835	5.126	ug/l	94
27) cis-1,2-Dichloroethene	7.500	96	31605	5.125	ug/l	91
28) Bromochloromethane	7.818	49	19751	4.312	ug/l	87
29) Tetrahydrofuran	7.847	42	87006	24.769	ug/l	96
30) Chloroform	7.971	83	48885	4.842	ug/l	94
31) Cyclohexane	8.259	56	54268	5.797	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	44079	5.141	ug/l	93
36) 1,1-Dichloropropene	8.382	75	38396	5.220	ug/l #	83
37) Ethyl Acetate	7.577	43	56925	5.214	ug/l	97
38) Carbon Tetrachloride	8.371	117	34229	4.923	ug/l	96
39) Methylcyclohexane	9.606	83	47227	5.325	ug/l #	85
40) Benzene	8.612	78	128638	5.318	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.806	41	26397	4.911	ug/l	94
42) 1,2-Dichloroethane	8.682	62	41999	5.315	ug/l	99
43) Isopropyl Acetate	8.694	43	82585	4.914	ug/l	98
44) Trichloroethene	9.353	130	25474	5.032	ug/l	86
45) 1,2-Dichloropropane	9.629	63	32102	4.930	ug/l	93
46) Dibromomethane	9.718	93	22033	5.284	ug/l	94
47) Bromodichloromethane	9.888	83	39980	4.997	ug/l	87
48) Methyl methacrylate	9.612	41	41327	5.280	ug/l #	97
49) 1,4-Dioxane	9.706	88	14358	100.687	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	265556	24.573	ug/l	98
52) Toluene	10.629	92	74502	5.142	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	40267	4.605	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	46324	4.969	ug/l #	81
55) 1,1,2-Trichloroethane	11.018	97	30284	5.203	ug/l	94
56) Ethyl methacrylate	10.876	69	43020	4.618	ug/l #	93
57) 1,3-Dichloropropane	11.165	76	49778	4.716	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	78457	23.658	ug/l	96
59) 2-Hexanone	11.200	43	180961	22.936	ug/l	97
60) Dibromochloromethane	11.359	129	27489	4.713	ug/l	94
61) 1,2-Dibromoethane	11.476	107	27543	4.785	ug/l	85
64) Tetrachloroethene	11.112	164	19208	4.853	ug/l #	80
65) Chlorobenzene	11.894	112	71745	5.056	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.965	131	25378	4.769	ug/l	93
67) Ethyl Benzene	11.965	91	132159	5.079	ug/l	97
68) m/p-Xylenes	12.076	106	95670	9.875	ug/l	95
69) o-Xylene	12.400	106	47894	4.840	ug/l	100
70) Styrene	12.417	104	75639	4.819	ug/l	100
71) Bromoform	12.582	173	15538	4.216	ug/l #	90
73) Isopropylbenzene	12.700	105	116086	5.155	ug/l	96
74) N-amyl acetate	12.494	43	62600	5.121	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	46113	5.170	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	42272m	6.078	ug/l	
77) Bromobenzene	12.982	156	25470	5.106	ug/l	87
78) n-propylbenzene	13.041	91	126708	4.929	ug/l	98
79) 2-Chlorotoluene	13.129	91	82569	5.372	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	92886	5.074	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	14308	5.260	ug/l	97
82) 4-Chlorotoluene	13.223	91	72520	5.045	ug/l	99
83) tert-Butylbenzene	13.441	119	89417	5.652	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	88172	4.902	ug/l	97
85) sec-Butylbenzene	13.617	105	113673	4.983	ug/l	98
86) p-Isopropyltoluene	13.735	119	84210	4.645	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	44726	4.780	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	42990	4.656	ug/l	94
89) n-Butylbenzene	14.059	91	72873	4.718	ug/l	96
90) Hexachloroethane	14.335	117	19751	5.075	ug/l	97
91) 1,2-Dichlorobenzene	14.111	146	47502	4.894	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	7995	4.832	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	20244	4.611	ug/l	97
94) Hexachlorobutadiene	15.506	225	10072	4.777	ug/l	83
95) Naphthalene	15.641	128	68760	4.375	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	18030	4.335	ug/l	94

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

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