

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074283.D
 Acq On : 02 Sep 2022 12:59
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/03/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 14:23:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 14:16:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	250305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	452645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	399116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	170543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	34166	8.799	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	17.600%#		
35) Dibromofluoromethane	7.951	113	27291	9.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.540%#		
50) Toluene-d8	10.380	98	103111	8.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.780%#		
62) 4-Bromofluorobenzene	12.669	95	30110	8.536	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	21796	8.416	ug/l	91
3) Chloromethane	2.269	50	34189	9.372	ug/l	96
4) Vinyl Chloride	2.405	62	62998	17.379	ug/l	97
5) Bromomethane	2.810	94	41109	20.743	ug/l	93
6) Chloroethane	2.969	64	56864	20.448	ug/l	94
7) Trichlorofluoromethane	3.316	101	42903	7.742	ug/l	89
8) Diethyl Ether	3.769	74	18251	7.744	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.146	101	26588	8.401	ug/l #	70
10) Methyl Iodide	4.357	142	11512	4.507	ug/l #	83
11) Tert butyl alcohol	5.281	59	34278	36.102	ug/l #	89
12) 1,1-Dichloroethene	4.116	96	23261	7.926	ug/l	90
13) Acrolein	3.981	56	22703	26.450	ug/l	97
14) Allyl chloride	4.757	41	38273	5.848	ug/l #	89
15) Acrylonitrile	5.481	53	94927	33.841	ug/l	99
16) Acetone	4.222	43	78947	30.428	ug/l	98
17) Carbon Disulfide	4.451	76	55329	6.625	ug/l	98
18) Methyl Acetate	4.781	43	47836	6.102	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	93904	8.650	ug/l	97
20) Methylene Chloride	5.016	84	31133	7.034	ug/l	88
21) trans-1,2-Dichloroethene	5.510	96	27253	8.046	ug/l	83
22) Diisopropyl ether	6.416	45	90715	6.804	ug/l #	96
23) Vinyl Acetate	6.351	43	391289	34.758	ug/l	96
24) 1,1-Dichloroethane	6.304	63	56321	8.562	ug/l	98
25) 2-Butanone	7.263	43	133737	32.221	ug/l	96
26) 2,2-Dichloropropane	7.245	77	42898	9.374	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	33886	8.957	ug/l	97
28) Bromochloromethane	7.587	49	14305	5.462	ug/l	95
29) Tetrahydrofuran	7.610	42	85152	32.214	ug/l	97
30) Chloroform	7.751	83	59373	8.855	ug/l	91
31) Cyclohexane	8.016	56	50839	7.924	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	48313	9.369	ug/l	96
36) 1,1-Dichloropropene	8.157	75	41869	8.761	ug/l	96
37) Ethyl Acetate	7.334	43	54765	6.852	ug/l	96
38) Carbon Tetrachloride	8.139	117	40790	8.930	ug/l	96
39) Methylcyclohexane	9.392	83	48515	8.648	ug/l	98
40) Benzene	8.392	78	131474	8.762	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	24783	6.718	ug/l	95
42) 1,2-Dichloroethane	8.463	62	47425	8.881	ug/l	100
43) Isopropyl Acetate	8.492	43	76465	7.117	ug/l	97
44) Trichloroethene	9.151	130	29665	8.847	ug/l	86
45) 1,2-Dichloropropane	9.428	63	32435	8.006	ug/l	98
46) Dibromomethane	9.516	93	24533	9.066	ug/l	90
47) Bromodichloromethane	9.704	83	46272	8.726	ug/l	93
48) Methyl methacrylate	9.498	41	32204	6.310	ug/l #	86
49) 1,4-Dioxane	9.498	88	17366	157.716	ug/l #	90
51) 4-Methyl-2-Pentanone	10.269	43	281523	36.103	ug/l	95
52) Toluene	10.445	92	83206	9.407	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	44857	8.922	ug/l #	87
54) cis-1,3-Dichloropropene	10.128	75	50490	8.970	ug/l	92
55) 1,1,2-Trichloroethane	10.839	97	34096	8.912	ug/l	94
56) Ethyl methacrylate	10.698	69	49105	8.468	ug/l #	89
57) 1,3-Dichloropropane	10.986	76	61153	9.197	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.980	63	126809	43.228	ug/l	95
59) 2-Hexanone	11.027	43	205877	34.791	ug/l	96
60) Dibromochloromethane	11.180	129	33017	9.214	ug/l	96
61) 1,2-Dibromoethane	11.280	107	33351	9.123	ug/l	98
64) Tetrachloroethene	10.916	164	25903	8.960	ug/l	93
65) Chlorobenzene	11.710	112	88164	9.817	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	31053	9.728	ug/l	96
67) Ethyl Benzene	11.780	91	152251	9.447	ug/l	94
68) m/p-Xylenes	11.892	106	115721	19.328	ug/l	94
69) o-Xylene	12.216	106	59137	9.913	ug/l	99
70) Styrene	12.233	104	91162	9.591	ug/l	97
71) Bromoform	12.392	173	22768	8.421	ug/l #	98
73) Isopropylbenzene	12.521	105	148984	10.201	ug/l	97
74) N-amyl acetate	12.327	43	62735	7.592	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.769	83	57767	9.537	ug/l	95
76) 1,2,3-Trichloropropane	12.821	75	43579m	8.993	ug/l	
77) Bromobenzene	12.798	156	32141	9.408	ug/l	84
78) n-propylbenzene	12.857	91	168391	10.115	ug/l	98
79) 2-Chlorotoluene	12.945	91	101692	9.972	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	118658	9.990	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	13633	8.297	ug/l	88
82) 4-Chlorotoluene	13.039	91	95040	9.632	ug/l	95
83) tert-Butylbenzene	13.263	119	106263	10.458	ug/l	100
84) 1,2,4-Trimethylbenzene	13.304	105	117725	10.269	ug/l	98
85) sec-Butylbenzene	13.439	105	146453	10.275	ug/l	97
86) p-Isopropyltoluene	13.551	119	113010	10.190	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	61094	10.032	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	58142	9.228	ug/l	91
89) n-Butylbenzene	13.880	91	93598	9.690	ug/l	93
90) Hexachloroethane	14.145	117	22383	9.790	ug/l	80
91) 1,2-Dichlorobenzene	13.927	146	62486	9.733	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.533	75	11536	9.529	ug/l	82
93) 1,2,4-Trichlorobenzene	15.192	180	28777	9.164	ug/l	98
94) Hexachlorobutadiene	15.304	225	12840	8.315	ug/l	98
95) Naphthalene	15.433	128	108451	9.614	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	29877	9.184	ug/l	96

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

