

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074369.D
 Acq On : 09 Sep 2022 10:37
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 05:39:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 05:38:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	340166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	624196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	524866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	204399	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.046	85	5157	1.170	ug/l	98
3) Chloromethane	2.269	50	8693	1.397	ug/l	99
4) Vinyl Chloride	2.405	62	8326	1.131	ug/l #	45
7) Trichlorofluoromethane	3.322	101	8075	1.110	ug/l	98
8) Diethyl Ether	3.757	74	3740	1.219	ug/l #	28
9) 1,1,2-Trichlorotrifluo...	4.134	101	5421	1.244	ug/l #	69
12) 1,1-Dichloroethene	4.116	96	4923	1.161	ug/l #	64
14) Allyl chloride	4.769	41	11015	1.184	ug/l #	38
15) Acrylonitrile	5.469	53	19094	5.422	ug/l #	87
16) Acetone	4.216	43	19010	5.983	ug/l #	88
17) Carbon Disulfide	4.463	76	13435	1.166	ug/l #	94
18) Methyl Acetate	4.775	43	10660	1.138	ug/l #	70
19) Methyl tert-butyl Ether	5.534	73	19329	1.133	ug/l	98
20) Methylene Chloride	5.016	84	7479	1.363	ug/l #	77
21) trans-1,2-Dichloroethene	5.504	96	6086m	1.284	ug/l	
22) Diisopropyl ether	6.404	45	21688	1.158	ug/l	91
23) Vinyl Acetate	6.351	43	87113m	5.277	ug/l	
24) 1,1-Dichloroethane	6.298	63	10706	1.113	ug/l #	84
25) 2-Butanone	7.269	43	28893	5.417	ug/l	100
26) 2,2-Dichloropropane	7.245	77	11059	1.270	ug/l	98
27) cis-1,2-Dichloroethene	7.251	96	7380	1.261	ug/l	83
28) Bromochloromethane	7.575	49	4899	1.431	ug/l	95
29) Tetrahydrofuran	7.622	42	18047	5.119	ug/l	97
30) Chloroform	7.745	83	10938	1.139	ug/l	94
32) 1,1,1-Trichloroethane	7.939	97	10086	1.170	ug/l #	53
36) 1,1-Dichloropropene	8.139	75	7128	1.027	ug/l	97
37) Ethyl Acetate	7.339	43	9977	0.990	ug/l #	86
38) Carbon Tetrachloride	8.128	117	7144	0.997	ug/l #	82
39) Methylcyclohexane	9.392	83	10146	1.153	ug/l #	80
40) Benzene	8.392	78	21682	1.020	ug/l	91
41) Methacrylonitrile	7.551	41	5255	1.052	ug/l #	48
42) 1,2-Dichloroethane	8.463	62	9323	1.147	ug/l	86
43) Isopropyl Acetate	8.492	43	16244	0.986	ug/l	99
44) Trichloroethene	9.151	130	5086	1.067	ug/l	84
45) 1,2-Dichloropropane	9.422	63	6450	1.143	ug/l #	73
46) Dibromomethane	9.504	93	4162	1.077	ug/l	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074369.D
 Acq On : 09 Sep 2022 10:37
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 10 05:39:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 05:38:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	9.692	83	7975	1.036	ug/l #	87
48) Methyl methacrylate	9.492	41	8048	1.109	ug/l	87
49) 1,4-Dioxane	9.498	88	3494	22.843	ug/l	92
51) 4-Methyl-2-Pentanone	10.269	43	54355	5.047	ug/l	100
52) Toluene	10.445	92	12090	0.920	ug/l	84
53) t-1,3-Dichloropropene	10.663	75	8494	1.000	ug/l #	86
54) cis-1,3-Dichloropropene	10.128	75	10014	1.106	ug/l	95
55) 1,1,2-Trichloroethane	10.839	97	5817	1.074	ug/l #	88
56) Ethyl methacrylate	10.704	69	8668	0.942	ug/l #	78
57) 1,3-Dichloropropane	10.986	76	9382	0.991	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.980	63	21221	4.955	ug/l	99
59) 2-Hexanone	11.027	43	40867	4.917	ug/l	96
60) Dibromochloromethane	11.180	129	4618	0.842	ug/l	89
61) 1,2-Dibromoethane	11.280	107	5421	0.972	ug/l	98
64) Tetrachloroethene	10.910	164	4266	1.199	ug/l #	77
65) Chlorobenzene	11.710	112	13234	1.046	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.780	131	5862	1.186	ug/l #	64
67) Ethyl Benzene	11.780	91	25014	1.046	ug/l	99
68) m/p-Xylenes	11.898	106	18228	2.028	ug/l	90
69) o-Xylene	12.216	106	9244	1.023	ug/l	90
70) Styrene	12.239	104	13580	0.946	ug/l	88
71) Bromoform	12.404	173	3583	0.968	ug/l #	88
73) Isopropylbenzene	12.521	105	21742	1.107	ug/l	100
74) N-amyl acetate	12.333	43	14931	1.306	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.769	83	9292	1.259	ug/l	98
76) 1,2,3-Trichloropropane	12.827	75	4374m	0.631	ug/l	
77) Bromobenzene	12.798	156	4578	1.086	ug/l	75
78) n-propylbenzene	12.863	91	24011	1.067	ug/l	100
79) 2-Chlorotoluene	12.945	91	15605	1.138	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	17373	1.066	ug/l	89
82) 4-Chlorotoluene	13.045	91	14431	1.090	ug/l	100
83) tert-Butylbenzene	13.269	119	16581	1.130	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	17003	1.053	ug/l	100
85) sec-Butylbenzene	13.445	105	21295	1.067	ug/l	98
86) p-Isopropyltoluene	13.557	119	16733	1.047	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	8427	1.081	ug/l	96
88) 1,4-Dichlorobenzene	13.639	146	9062m	1.151	ug/l	
89) n-Butylbenzene	13.886	91	13853	1.019	ug/l	95
90) Hexachloroethane	14.151	117	4048	1.199	ug/l	96
91) 1,2-Dichlorobenzene	13.933	146	9728	1.187	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	3055	1.521	ug/l	76
93) 1,2,4-Trichlorobenzene	15.198	180	4530	1.109	ug/l	93
94) Hexachlorobutadiene	15.304	225	2289	1.236	ug/l	87
95) Naphthalene	15.439	128	16870	1.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	4944	1.170	ug/l	87

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

