

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051822\
 Data File : VN072537.D
 Acq On : 18 May 2022 13:05
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 18 15:22:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 15:21:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.075	168	168226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	260156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	244910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	91520	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	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	2216	1.088	ug/l	80
3) Chloromethane	2.293	50	2172	1.008	ug/l	96
4) Vinyl Chloride	2.446	62	1425	0.841	ug/l #	77
6) Chloroethane	2.916	64	2991	2.598	ug/l #	80
7) Trichlorofluoromethane	3.299	101	3600	1.120	ug/l	93
8) Diethyl Ether	3.816	74	901	0.794	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.175	101	1732	1.001	ug/l #	78
12) 1,1-Dichloroethene	4.157	96	1287	0.795	ug/l #	60
14) Allyl chloride	4.804	41	2221	0.736	ug/l #	81
15) Acrylonitrile	5.551	53	4772	4.322	ug/l	95
16) Acetone	4.310	43	4407	4.545	ug/l	99
17) Carbon Disulfide	4.499	76	4061	0.966	ug/l #	75
18) Methyl Acetate	4.857	43	3448	1.203	ug/l #	74
19) Methyl tert-butyl Ether	5.616	73	5651	0.946	ug/l	93
20) Methylene Chloride	5.075	84	2545	1.246	ug/l	92
21) trans-1,2-Dichloroethene	5.575	96	1598	0.925	ug/l #	60
22) Diisopropyl ether	6.481	45	4927	0.796	ug/l #	81
23) Vinyl Acetate	6.422	43	20035m	3.868	ug/l	
24) 1,1-Dichloroethane	6.369	63	3262	0.930	ug/l #	82
25) 2-Butanone	7.345	43	6917m	4.490	ug/l	
26) 2,2-Dichloropropane	7.322	77	3035	1.018	ug/l #	73
27) cis-1,2-Dichloroethene	7.316	96	1945	0.943	ug/l	76
28) Bromochloromethane	7.651	49	1368	0.916	ug/l #	49
29) Tetrahydrofuran	7.692	42	3709	3.710	ug/l	95
30) Chloroform	7.798	83	3924	1.086	ug/l	84
32) 1,1,1-Trichloroethane	7.998	97	3273	0.982	ug/l #	50
36) 1,1-Dichloropropene	8.216	75	2420m	0.993	ug/l	
37) Ethyl Acetate	7.410	43	3092m	1.082	ug/l	
38) Carbon Tetrachloride	8.192	117	3153	1.146	ug/l #	93
39) Methylcyclohexane	9.457	83	3147	1.157	ug/l #	76
40) Benzene	8.445	78	7455	1.026	ug/l #	89
41) Methacrylonitrile	7.634	41	1392	0.964	ug/l #	59
42) 1,2-Dichloroethane	8.528	62	3580	1.208	ug/l #	74
43) Isopropyl Acetate	8.557	43	4274	0.955	ug/l #	86
44) Trichloroethene	9.216	130	2049	1.107	ug/l	69
45) 1,2-Dichloropropane	9.486	63	1824	0.999	ug/l #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051822\
 Data File : VN072537.D
 Acq On : 18 May 2022 13:05
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 18 15:22:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 15:21:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.575	93	1325	1.024	ug/l	94
47) Bromodichloromethane	9.763	83	2488	0.935	ug/l #	84
48) Methyl methacrylate	9.563	41	1984	0.959	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	12521	4.464	ug/l	92
52) Toluene	10.492	92	3868	0.853	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	2750	1.008	ug/l	91
54) cis-1,3-Dichloropropene	10.186	75	2707	0.941	ug/l #	90
55) 1,1,2-Trichloroethane	10.898	97	1910	0.999	ug/l	95
56) Ethyl methacrylate	10.757	69	2340	0.854	ug/l #	80
57) 1,3-Dichloropropane	11.039	76	3340	1.034	ug/l #	88
58) 2-Chloroethyl Vinyl ether	10.039	63	3352	5.894	ug/l #	83
59) 2-Hexanone	11.086	43	8640	4.412	ug/l	86
60) Dibromochloromethane	11.228	129	2019	0.990	ug/l	95
61) 1,2-Dibromoethane	11.339	107	1797	0.942	ug/l	99
64) Tetrachloroethene	10.969	164	1797	1.033	ug/l #	61
65) Chlorobenzene	11.769	112	5077	1.021	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.839	131	2170	1.089	ug/l #	65
67) Ethyl Benzene	11.839	91	8311	0.971	ug/l	89
68) m/p-Xylenes	11.945	106	6020	1.849	ug/l	94
69) o-Xylene	12.275	106	3263	1.018	ug/l	94
70) Styrene	12.292	104	4205	0.853	ug/l	89
71) Bromoform	12.451	173	1413	0.966	ug/l #	84
73) Isopropylbenzene	12.569	105	6705	0.889	ug/l	92
74) N-amyl acetate	12.392	43	2983	1.138	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.822	83	2607	0.977	ug/l	95
76) 1,2,3-Trichloropropane	12.880	75	2643m	1.121	ug/l	
77) Bromobenzene	12.857	156	2345	1.300	ug/l	88
78) n-propylbenzene	12.916	91	7392	0.914	ug/l	97
79) 2-Chlorotoluene	13.010	91	5687	1.062	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	5728	0.918	ug/l	94
82) 4-Chlorotoluene	13.098	91	4970	0.984	ug/l	86
83) tert-Butylbenzene	13.316	119	4689	0.872	ug/l	85
84) 1,2,4-Trimethylbenzene	13.363	105	5415	0.904	ug/l	92
85) sec-Butylbenzene	13.492	105	6196	0.867	ug/l	94
86) p-Isopropyltoluene	13.610	119	4870	0.870	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	3194	1.031	ug/l	92
88) 1,4-Dichlorobenzene	13.692	146	3299m	1.066	ug/l	
89) n-Butylbenzene	13.939	91	4139	0.962	ug/l	97
90) Hexachloroethane	14.204	117	980	0.877	ug/l	74
91) 1,2-Dichlorobenzene	13.986	146	3566	1.147	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	349	0.727	ug/l	89
93) 1,2,4-Trichlorobenzene	15.263	180	1561	1.285	ug/l	93
94) Hexachlorobutadiene	15.363	225	951	1.190	ug/l	90
95) Naphthalene	15.498	128	4618	1.320	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.698	180	1699	1.395	ug/l	85

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

Reviewed By :John Carlone 05/19/2022
Supervised By :Mahesh Dadoda 05/19/2022

Abundance

TIC: VN072537.D\data.ms

Time-->

Chlorodifluoromethane, T
Vinyl Chloride, C
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
1,1-Dichloroethane, T
Acetone, T
Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Acetylene, T
Ethylene, T
Propylene, T
Dichloromethane, P
Disopropyl ether, I
1,1,1-Trichloroethane, I
Carbon tetrachloride, T
Benzene, TM
Isopropyl acetate, TM
1,4-Difluorobenzene, I
Pentafluorobenzene, I
Trichloroethene, TM
1,1,1-Trichloroethane, T
Bromochloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
1,2-Dibromoethane, T
1,2-Dichloroethane, T
1,2-Dibromoethane, I
1,2-Dichloroethane, TM
n-Butylbenzene, T
Isopropylbenzene, T
Xylenes, I
Solvent, I
Branched alkane, T
Isopropylbenzene, T
1,2-Dichloroethane, P
1,2-Dichloroethane, T
4-Ethylchlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2-Dichlorobenzene, I
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, I
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T