

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074459.D
 Acq On : 15 Sep 2022 13:26
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2022
 Supervised By : Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 19:08:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:05:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	456386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	880360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	752403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	285751	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	5952	1.387	ug/l	95
3) Chloromethane	2.263	50	13043	2.415	ug/l	95
4) Vinyl Chloride	2.404	62	10231	2.268	ug/l #	43
7) Trichlorofluoromethane	3.316	101	11245	1.653	ug/l #	77
8) Diethyl Ether	3.757	74	6119	1.771	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.145	101	6588	1.447	ug/l #	88
12) 1,1-Dichloroethene	4.116	96	9246	2.041	ug/l #	81
14) Allyl chloride	4.757	41	16367	1.650	ug/l	91
15) Acrylonitrile	5.469	53	29890	7.630	ug/l	97
16) Acetone	4.228	43	31497	8.862	ug/l #	75
17) Carbon Disulfide	4.463	76	20510	1.744	ug/l #	91
18) Methyl Acetate	4.763	43	16479m	1.677	ug/l	
19) Methyl tert-butyl Ether	5.528	73	26186	1.506	ug/l #	76
20) Methylene Chloride	5.016	84	11810	1.974	ug/l #	83
21) trans-1,2-Dichloroethene	5.528	96	9543	1.918	ug/l #	45
22) Diisopropyl ether	6.404	45	29914	1.591	ug/l #	92
23) Vinyl Acetate	6.351	43	126945	7.348	ug/l #	86
24) 1,1-Dichloroethane	6.298	63	16073	1.654	ug/l	99
25) 2-Butanone	7.263	43	43915	7.656	ug/l	94
26) 2,2-Dichloropropane	7.245	77	14155	1.633	ug/l	92
27) cis-1,2-Dichloroethene	7.239	96	10491	1.751	ug/l	97
28) Bromochloromethane	7.592	49	7169m	1.910	ug/l	
29) Tetrahydrofuran	7.616	42	28392	7.467	ug/l #	84
30) Chloroform	7.745	83	12776	1.316	ug/l	92
32) 1,1,1-Trichloroethane	7.945	97	12963	1.536	ug/l #	52
36) 1,1-Dichloropropene	8.145	75	12469	1.625	ug/l	93
37) Ethyl Acetate	7.339	43	16871	1.365	ug/l #	85
38) Carbon Tetrachloride	8.128	117	9960	1.259	ug/l #	85
39) Methylcyclohexane	9.392	83	12242	1.316	ug/l	86
40) Benzene	8.386	78	32725	1.353	ug/l	95
41) Methacrylonitrile	7.557	41	7071	1.210	ug/l #	81
42) 1,2-Dichloroethane	8.457	62	11429	1.340	ug/l	96
43) Isopropyl Acetate	8.492	43	26062	1.464	ug/l	93
44) Trichloroethene	9.151	130	7867	1.331	ug/l	75
45) 1,2-Dichloropropane	9.422	63	8946	1.428	ug/l	90
46) Dibromomethane	9.510	93	5853	1.408	ug/l #	74

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	9.692	83	10451	1.265	ug/l #	78
48) Methyl methacrylate	9.492	41	12165	1.510	ug/l #	82
49) 1,4-Dioxane	9.504	88	4635	26.236	ug/l #	77
51) 4-Methyl-2-Pentanone	10.269	43	79858	6.823	ug/l	89
52) Toluene	10.445	92	17258	1.167	ug/l	90
53) t-1,3-Dichloropropene	10.657	75	12319	1.368	ug/l	91
54) cis-1,3-Dichloropropene	10.133	75	13812	1.406	ug/l	92
55) 1,1,2-Trichloroethane	10.839	97	8800	1.366	ug/l	92
56) Ethyl methacrylate	10.704	69	12842	1.225	ug/l #	68
57) 1,3-Dichloropropane	10.986	76	14098	1.307	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.980	63	29991	6.489	ug/l	94
59) 2-Hexanone	11.021	43	60400	6.689	ug/l	90
60) Dibromochloromethane	11.174	129	7481	1.240	ug/l	95
61) 1,2-Dibromoethane	11.292	107	7359	1.164	ug/l #	74
64) Tetrachloroethene	10.916	164	6061	1.320	ug/l #	72
65) Chlorobenzene	11.710	112	20040	1.329	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.780	131	7445	1.308	ug/l #	66
67) Ethyl Benzene	11.786	91	32957	1.228	ug/l	90
68) m/p-Xylenes	11.886	106	24061	2.296	ug/l	87
69) o-Xylene	12.215	106	12988	1.237	ug/l	98
70) Styrene	12.233	104	21433	1.267	ug/l	99
71) Bromoform	12.404	173	4528	1.061	ug/l #	88
73) Isopropylbenzene	12.521	105	30568	1.340	ug/l	96
74) N-amyl acetate	12.327	43	20663	1.696	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.768	83	13639	1.637	ug/l	92
76) 1,2,3-Trichloropropane	12.827	75	10176m	1.419	ug/l	
77) Bromobenzene	12.798	156	7052	1.325	ug/l	77
78) n-propylbenzene	12.863	91	36146	1.418	ug/l	90
79) 2-Chlorotoluene	12.951	91	22495	1.383	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	23853	1.275	ug/l	98
82) 4-Chlorotoluene	13.045	91	21809	1.418	ug/l	98
83) tert-Butylbenzene	13.262	119	22707	1.331	ug/l	92
84) 1,2,4-Trimethylbenzene	13.310	105	24504	1.313	ug/l	100
85) sec-Butylbenzene	13.439	105	30062	1.305	ug/l	100
86) p-Isopropyltoluene	13.557	119	22982	1.241	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	12817	1.330	ug/l	96
88) 1,4-Dichlorobenzene	13.633	146	13786m	1.422	ug/l	
89) n-Butylbenzene	13.880	91	21102	1.369	ug/l	95
90) Hexachloroethane	14.151	117	5628	1.582	ug/l	75
91) 1,2-Dichlorobenzene	13.933	146	13735	1.375	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.545	75	2936	1.340	ug/l	80
93) 1,2,4-Trichlorobenzene	15.204	180	6828	1.265	ug/l	90
94) Hexachlorobutadiene	15.309	225	2908	1.244	ug/l	84
95) Naphthalene	15.439	128	30952	1.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.639	180	7831	1.354	ug/l	96

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

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