

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092922\
 Data File : VN074651.D
 Acq On : 29 Sep 2022 09:28
 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 09/30/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Sep 30 07:06:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:05:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	431725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.822	114	776986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	788865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	364433	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	1.999	85	8959	0.991	ug/l	84
3) Chloromethane	2.216	50	14614	1.105	ug/l	91
4) Vinyl Chloride	2.352	62	20638	1.075	ug/l #	85
7) Trichlorofluoromethane	3.246	101	15870	1.189	ug/l #	78
8) Diethyl Ether	3.675	74	8067	1.274	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.051	101	9133	1.148	ug/l #	45
12) 1,1-Dichloroethene	4.016	96	9778	1.213	ug/l	85
13) Acrolein	3.899	56	11373	9.108	ug/l #	82
14) Allyl chloride	4.651	41	20213	1.161	ug/l	93
15) Acrylonitrile	5.357	53	35380	5.189	ug/l	95
16) Acetone	4.128	43	37352	6.396	ug/l	98
17) Carbon Disulfide	4.363	76	26593	1.130	ug/l	98
18) Methyl Acetate	4.675	43	23929	1.197	ug/l #	76
19) Methyl tert-butyl Ether	5.416	73	33596	1.092	ug/l #	90
20) Methylene Chloride	4.887	84	15985m	1.442	ug/l	
21) trans-1,2-Dichloroethene	5.404	96	10398	1.180	ug/l #	65
22) Diisopropyl ether	6.304	45	36823	1.039	ug/l #	94
23) Vinyl Acetate	6.240	43	159687	5.128	ug/l #	92
24) 1,1-Dichloroethane	6.192	63	18835	1.042	ug/l #	80
25) 2-Butanone	7.163	43	53221	5.344	ug/l	90
26) 2,2-Dichloropropane	7.157	77	17436m	1.134	ug/l	
27) cis-1,2-Dichloroethene	7.145	96	12955	1.202	ug/l	95
28) Bromochloromethane	7.492	49	7311m	0.891	ug/l	
29) Tetrahydrofuran	7.522	42	33977	5.171	ug/l	90
30) Chloroform	7.651	83	15796	0.948	ug/l	84
32) 1,1,1-Trichloroethane	7.851	97	17271	1.181	ug/l	92
36) 1,1-Dichloropropene	8.063	75	15284	1.160	ug/l	94
37) Ethyl Acetate	7.234	43	19829m	1.015	ug/l	
38) Carbon Tetrachloride	8.039	117	12391	1.027	ug/l #	83
39) Methylcyclohexane	9.322	83	16058	0.977	ug/l #	72
40) Benzene	8.310	78	40912	1.008	ug/l	93
41) Methacrylonitrile	7.469	41	8610	1.009	ug/l #	90
42) 1,2-Dichloroethane	8.375	62	15538	1.139	ug/l	98
43) Isopropyl Acetate	8.416	43	34037	1.092	ug/l #	91
44) Trichloroethene	9.075	130	7929	0.938	ug/l	82
45) 1,2-Dichloropropane	9.345	63	12168	1.101	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.433	93	7734	1.110	ug/l #	45
47) Bromodichloromethane	9.622	83	14585	1.071	ug/l #	91
48) Methyl methacrylate	9.422	41	12876	1.003	ug/l	93
49) 1,4-Dioxane	9.428	88	5234	21.369	ug/l #	91
51) 4-Methyl-2-Pentanone	10.198	43	97830	4.962	ug/l	91
52) Toluene	10.369	92	24229	0.988	ug/l	100
53) t-1,3-Dichloropropene	10.598	75	14287	0.926	ug/l	95
54) cis-1,3-Dichloropropene	10.057	75	17791	1.046	ug/l	98
55) 1,1,2-Trichloroethane	10.775	97	11553	1.170	ug/l #	80
56) Ethyl methacrylate	10.633	69	15420	0.905	ug/l #	71
57) 1,3-Dichloropropane	10.922	76	17270	0.988	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.910	63	38410	5.521	ug/l #	86
59) 2-Hexanone	10.963	43	75194	5.046	ug/l	87
60) Dibromochloromethane	11.110	129	9525	1.002	ug/l	92
61) 1,2-Dibromoethane	11.216	107	9121	0.942	ug/l	97
64) Tetrachloroethene	10.851	164	7799	1.169	ug/l #	75
65) Chlorobenzene	11.645	112	24835	1.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.722	131	7521	0.893	ug/l #	52
67) Ethyl Benzene	11.716	91	42204	0.956	ug/l	94
68) m/p-Xylenes	11.822	106	33395	1.997	ug/l	96
69) o-Xylene	12.151	106	16321	0.971	ug/l	96
70) Styrene	12.174	104	24279	0.906	ug/l	92
71) Bromoform	12.333	173	7400	1.096	ug/l #	85
73) Isopropylbenzene	12.457	105	36690	1.075	ug/l	95
74) N-amyl acetate	12.269	43	26501	1.267	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.710	83	16327	1.257	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	9035m	0.954	ug/l	
77) Bromobenzene	12.739	156	9648	1.319	ug/l	95
78) n-propylbenzene	12.798	91	40889	1.038	ug/l	95
79) 2-Chlorotoluene	12.880	91	27346	1.156	ug/l	96
80) 1,3,5-Trimethylbenzene	12.933	105	26524	0.974	ug/l	100
82) 4-Chlorotoluene	12.980	91	23500	1.067	ug/l	94
83) tert-Butylbenzene	13.198	119	26658	1.096	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	26934	0.990	ug/l	95
85) sec-Butylbenzene	13.374	105	34821	1.018	ug/l	99
86) p-Isopropyltoluene	13.492	119	27514	1.016	ug/l	98
87) 1,3-Dichlorobenzene	13.486	146	14657	1.105	ug/l	93
88) 1,4-Dichlorobenzene	13.568	146	15931	1.175	ug/l	94
89) n-Butylbenzene	13.816	91	24260	1.015	ug/l	93
90) Hexachloroethane	14.086	117	6704	1.150	ug/l	71
91) 1,2-Dichlorobenzene	13.863	146	16119	1.164	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.480	75	3346	1.278	ug/l	89
93) 1,2,4-Trichlorobenzene	15.133	180	6501	1.051	ug/l	96
94) Hexachlorobutadiene	15.233	225	4167	1.376	ug/l	79
95) Naphthalene	15.362	128	22336	0.923	ug/l	97
96) 1,2,3-Trichlorobenzene	15.562	180	6519m	1.058	ug/l	

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

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