

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072822\
 Data File : VN073615.D
 Acq On : 28 Jul 2022 10:31
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2022
 Supervised By : Mahesh Dadoda 07/29/2022

Quant Time: Jul 29 01:30:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 01:29:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	381604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	642157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	559162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	220684	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	4108	1.128	ug/l	97
3) Chloromethane	2.269	50	6825	1.281	ug/l	89
4) Vinyl Chloride	2.404	62	7281	1.133	ug/l	90
6) Chloroethane	2.963	64	5811	1.290	ug/l	92
7) Trichlorofluoromethane	3.322	101	7382	1.111	ug/l #	75
8) Diethyl Ether	3.757	74	2977	1.222	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.146	101	4187	1.106	ug/l	94
12) 1,1-Dichloroethene	4.116	96	4148	1.168	ug/l #	77
14) Allyl chloride	4.757	41	6362	1.083	ug/l	98
15) Acrylonitrile	5.475	53	14386	5.240	ug/l	98
16) Acetone	4.240	43	15396	6.181	ug/l	93
17) Carbon Disulfide	4.463	76	10788	1.108	ug/l	100
18) Methyl Acetate	4.787	43	7455	1.204	ug/l	96
19) Methyl tert-butyl Ether	5.540	73	12795	1.052	ug/l	98
20) Methylene Chloride	5.016	84	8845	1.785	ug/l #	86
21) trans-1,2-Dichloroethene	5.516	96	4234	1.077	ug/l	84
22) Diisopropyl ether	6.410	45	13200	1.083	ug/l #	86
23) Vinyl Acetate	6.345	43	50983	4.933	ug/l	96
24) 1,1-Dichloroethane	6.304	63	9012	1.197	ug/l #	88
25) 2-Butanone	7.263	43	20470	5.247	ug/l	100
26) 2,2-Dichloropropane	7.239	77	6545	1.078	ug/l #	74
27) cis-1,2-Dichloroethene	7.245	96	5152	1.072	ug/l	98
28) Bromochloromethane	7.586	49	3790	1.194	ug/l #	99
29) Tetrahydrofuran	7.616	42	12363	5.014	ug/l	97
30) Chloroform	7.751	83	9110	1.143	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	7359	1.112	ug/l #	51
36) 1,1-Dichloropropene	8.145	75	6002	1.044	ug/l	99
37) Ethyl Acetate	7.334	43	8383	1.156	ug/l #	87
38) Carbon Tetrachloride	8.139	117	6555	1.138	ug/l #	85
39) Methylcyclohexane	9.392	83	6855	1.013	ug/l #	78
40) Benzene	8.386	78	19804	1.070	ug/l #	87
41) Methacrylonitrile	7.563	41	3709	1.089	ug/l	89
42) 1,2-Dichloroethane	8.463	62	6902	1.091	ug/l	100
43) Isopropyl Acetate	8.492	43	10250	1.009	ug/l	99
44) Trichloroethene	9.151	130	5161	1.106	ug/l	99
45) 1,2-Dichloropropane	9.428	63	5340	1.153	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.510	93	3367	1.043	ug/l	97
47) Bromodichloromethane	9.704	83	7002	1.139	ug/l #	95
48) Methyl methacrylate	9.498	41	4493	1.024	ug/l	93
49) 1,4-Dioxane	9.504	88	2600	21.464	ug/l	89
51) 4-Methyl-2-Pentanone	10.275	43	35024	4.859	ug/l	96
52) Toluene	10.439	92	10745	0.955	ug/l	97
53) t-1,3-Dichloropropene	10.657	75	5724	0.937	ug/l	90
54) cis-1,3-Dichloropropene	10.127	75	6728	0.982	ug/l #	85
55) 1,1,2-Trichloroethane	10.839	97	4646	0.969	ug/l	93
56) Ethyl methacrylate	10.698	69	5376	0.825	ug/l #	90
57) 1,3-Dichloropropane	10.986	76	8418	1.053	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.980	63	11946	4.013	ug/l	99
59) 2-Hexanone	11.027	43	24477	4.451	ug/l	91
60) Dibromochloromethane	11.174	129	4506	0.944	ug/l	92
61) 1,2-Dibromoethane	11.292	107	5166	1.063	ug/l	92
64) Tetrachloroethene	10.922	164	5117	1.156	ug/l #	86
65) Chlorobenzene	11.710	112	13125	1.103	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.786	131	4597	1.092	ug/l #	65
67) Ethyl Benzene	11.786	91	20079	1.014	ug/l	96
68) m/p-Xylenes	11.892	106	14192	1.868	ug/l	99
69) o-Xylene	12.221	106	6634	0.900	ug/l	96
70) Styrene	12.239	104	10233	0.868	ug/l	97
71) Bromoform	12.398	173	3810	1.114	ug/l #	91
73) Isopropylbenzene	12.521	105	15074	0.930	ug/l	100
74) N-amyl acetate	12.333	43	5950	0.978	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.768	83	7563	1.210	ug/l	98
76) 1,2,3-Trichloropropane	12.827	75	5798m	1.109	ug/l	
77) Bromobenzene	12.798	156	4609	1.100	ug/l	87
78) n-propylbenzene	12.863	91	16606	0.923	ug/l	97
79) 2-Chlorotoluene	12.951	91	11691	1.040	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	12004	0.909	ug/l	98
82) 4-Chlorotoluene	13.045	91	10283	0.955	ug/l	99
83) tert-Butylbenzene	13.263	119	10837	0.930	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	11162	0.862	ug/l	93
85) sec-Butylbenzene	13.445	105	14369	0.895	ug/l	98
86) p-Isopropyltoluene	13.557	119	10262	0.808	ug/l	96
87) 1,3-Dichlorobenzene	13.557	146	8782	1.165	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	8762m	1.139	ug/l	
89) n-Butylbenzene	13.880	91	9813	0.943	ug/l	94
90) Hexachloroethane	14.151	117	2623	1.007	ug/l	99
91) 1,2-Dichlorobenzene	13.927	146	8680	1.117	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.533	75	1435	1.165	ug/l	90
93) 1,2,4-Trichlorobenzene	15.198	180	3624	0.944	ug/l	98
94) Hexachlorobutadiene	15.298	225	2225	1.064	ug/l	94
95) Naphthalene	15.433	128	10861	0.870	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.639	180	4153	1.034	ug/l	97

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

