

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030524\
 Data File : VN081309.D
 Acq On : 05 Mar 2024 13:59
 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 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

Quant Time: Mar 06 02:57:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 01:47:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	304713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	582371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	498404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199387	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	64 - 133	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	3476	0.861	ug/l	98
3) Chloromethane	2.365	50	5392	1.236	ug/l	89
4) Vinyl Chloride	2.512	62	5310	1.167	ug/l	100
6) Chloroethane	3.118	64	3712	1.187	ug/l	98
7) Trichlorofluoromethane	3.494	101	7006	1.040	ug/l	87
8) Diethyl Ether	3.977	74	2364	0.996	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.383	101	4265	1.112	ug/l	95
12) 1,1-Dichloroethene	4.347	96	3819	1.075	ug/l #	68
14) Allyl chloride	5.036	41	5938m	1.127	ug/l	
15) Acrylonitrile	5.736	53	10873	5.402	ug/l	94
16) Acetone	4.430	43	9312	5.965	ug/l #	86
17) Carbon Disulfide	4.718	76	11686	1.153	ug/l #	87
18) Methyl Acetate	5.047	43	4640m	1.038	ug/l	
19) Methyl tert-butyl Ether	5.800	73	13165	1.093	ug/l	98
20) Methylene Chloride	5.277	84	6181	0.804	ug/l #	76
21) trans-1,2-Dichloroethene	5.794	96	4810	1.201	ug/l	94
22) Diisopropyl ether	6.677	45	10538	0.900	ug/l #	87
23) Vinyl Acetate	6.612	43	44087	4.636	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	7775m	1.085	ug/l	
25) 2-Butanone	7.488	43	14451	5.528	ug/l	100
26) 2,2-Dichloropropane	7.488	77	7327	1.157	ug/l	88
27) cis-1,2-Dichloroethene	7.477	96	5144	1.133	ug/l	79
28) Bromochloromethane	7.824	49	3488	1.138	ug/l #	81
29) Tetrahydrofuran	7.853	42	9759	5.475	ug/l #	91
30) Chloroform	7.965	83	7819	1.052	ug/l #	78
32) 1,1,1-Trichloroethane	8.165	97	6657	1.013	ug/l #	49
36) 1,1-Dichloropropene	8.365	75	5930	1.030	ug/l	93
37) Ethyl Acetate	7.559	43	6212	1.104	ug/l #	95
38) Carbon Tetrachloride	8.359	117	5433	0.938	ug/l #	80
39) Methylcyclohexane	9.606	83	6441	0.972	ug/l #	66
40) Benzene	8.612	78	17495	1.018	ug/l	92
41) Methacrylonitrile	7.771	41	3491	1.099	ug/l	91
42) 1,2-Dichloroethane	8.671	62	6111	1.009	ug/l	100
43) Isopropyl Acetate	8.694	43	10887	1.105	ug/l	95
44) Trichloroethene	9.353	130	4729	1.091	ug/l	81
45) 1,2-Dichloropropane	9.624	63	4181	0.969	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	2978	0.979	ug/l	89
47) Bromodichloromethane	9.894	83	5742	0.972	ug/l #	81
48) Methyl methacrylate	9.688	41	4262	0.979	ug/l #	84
49) 1,4-Dioxane	9.706	88	1922	20.031	ug/l #	73
51) 4-Methyl-2-Pentanone	10.447	43	25691	4.492	ug/l	97
52) Toluene	10.635	92	9580	0.923	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	6136	0.960	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	6439	0.933	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	3776	0.917	ug/l #	81
56) Ethyl methacrylate	10.876	69	5055	0.855	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	7336	1.021	ug/l	90
58) 2-Chloroethyl Vinyl ether	10.165	63	13752	4.326	ug/l	90
59) 2-Hexanone	11.194	43	19407	4.539	ug/l	96
60) Dibromochloromethane	11.359	129	3998	0.943	ug/l	84
61) 1,2-Dibromoethane	11.470	107	3990	0.934	ug/l	98
64) Tetrachloroethene	11.106	164	4017	1.029	ug/l #	80
65) Chlorobenzene	11.900	112	10658	1.015	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.959	131	3800	0.989	ug/l #	61
67) Ethyl Benzene	11.965	91	18432	0.974	ug/l	95
68) m/p-Xylenes	12.076	106	13856	1.946	ug/l	83
69) o-Xylene	12.406	106	6681	0.968	ug/l	90
70) Styrene	12.412	104	9180	0.839	ug/l	95
71) Bromoform	12.582	173	2798	1.049	ug/l #	94
73) Isopropylbenzene	12.694	105	15455	0.960	ug/l	99
74) N-amyl acetate	12.500	43	6270	0.928	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	5694	1.146	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	5139m	1.064	ug/l	
77) Bromobenzene	12.976	156	4887	1.280	ug/l	56
78) n-propylbenzene	13.041	91	17315	0.909	ug/l	94
79) 2-Chlorotoluene	13.123	91	11934	1.025	ug/l	89
80) 1,3,5-Trimethylbenzene	13.176	105	11796	0.886	ug/l	90
82) 4-Chlorotoluene	13.229	91	11526	1.002	ug/l	89
83) tert-Butylbenzene	13.441	119	11425	1.001	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	11816	0.876	ug/l	94
85) sec-Butylbenzene	13.617	105	14884	0.902	ug/l	89
86) p-Isopropyltoluene	13.729	119	10823	0.818	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	8487	1.177	ug/l	95
88) 1,4-Dichlorobenzene	13.811	146	8253m	1.146	ug/l	
89) n-Butylbenzene	14.059	91	11521	0.949	ug/l	94
90) Hexachloroethane	14.335	117	2334	1.007	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	7522	1.088	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1195	1.124	ug/l	74
93) 1,2,4-Trichlorobenzene	15.400	180	3975	1.075	ug/l	94
94) Hexachlorobutadiene	15.505	225	1873	1.226	ug/l	80
95) Naphthalene	15.641	128	12832	0.976	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.835	180	4135	1.103	ug/l	96

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

