

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079721.D
 Acq On : 30 Oct 2023 12:34
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Oct 31 07:27:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 10/31/2023
 Supervised By :Mahesh
 Dadoda
 10/31/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	255389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	458843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	392961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	5827	1.421	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.840%#
35) Dibromofluoromethane	8.171	113	3864	1.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.360%#
50) Toluene-d8	10.576	98	11235	0.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	1.840%#
62) 4-Bromofluorobenzene	12.853	95	3066	0.797	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	1.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	3275	0.971	ug/l	100
3) Chloromethane	2.365	50	5452	1.335	ug/l	97
4) Vinyl Chloride	2.512	62	5184	1.179	ug/l #	81
5) Bromomethane	2.953	94	4704	1.629	ug/l	99
6) Chloroethane	3.118	64	4772	1.481	ug/l #	88
7) Trichlorofluoromethane	3.506	101	5635	1.089	ug/l	96
8) Diethyl Ether	3.959	74	1998	1.067	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	3159	1.054	ug/l	91
10) Methyl Iodide	4.583	142	1607	0.533	ug/l #	90
11) Tert butyl alcohol	5.536	59	4099	7.535	ug/l #	77
12) 1,1-Dichloroethene	4.353	96	3275	1.167	ug/l #	87
13) Acrolein	4.183	56	3553	6.493	ug/l	98
14) Allyl chloride	5.018	41	5315	1.129	ug/l #	58
15) Acrylonitrile	5.730	53	8833	5.277	ug/l	94
16) Acetone	4.447	43	9351	5.329	ug/l	97
17) Carbon Disulfide	4.706	76	10389	1.212	ug/l #	93
18) Methyl Acetate	5.053	43	8884	1.255	ug/l #	63
19) Methyl tert-butyl Ether	5.806	73	8966	0.944	ug/l	95
20) Methylene Chloride	5.277	84	4601	1.324	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	3596	1.129	ug/l	93
22) Diisopropyl ether	6.677	45	9548	0.903	ug/l #	80
23) Vinyl Acetate	6.624	43	26665	4.578	ug/l #	84
24) 1,1-Dichloroethane	6.559	63	6554	1.034	ug/l #	81
25) 2-Butanone	7.494	43	12388	5.140	ug/l	89
26) 2,2-Dichloropropane	7.494	77	5886	1.147	ug/l #	75
27) cis-1,2-Dichloroethene	7.500	96	4416	1.204	ug/l	91
28) Bromochloromethane	7.812	49	3458	1.115	ug/l #	73
29) Tetrahydrofuran	7.847	42	7611	5.169	ug/l #	74
30) Chloroform	7.965	83	6943	1.088	ug/l	92
31) Cyclohexane	8.247	56	12011	2.147	ug/l #	75
32) 1,1,1-Trichloroethane	8.177	97	6101	1.103	ug/l #	44
36) 1,1-Dichloropropene	8.371	75	5145	1.058	ug/l #	80
37) Ethyl Acetate	7.565	43	5131	1.064	ug/l #	85
38) Carbon Tetrachloride	8.365	117	5442	1.122	ug/l #	94
39) Methylcyclohexane	9.612	83	4605	0.952	ug/l	97
40) Benzene	8.618	78	15351	1.069	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.788	41	2257	0.898	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2934	0.563	ug/l		90
43) Isopropyl Acetate	8.700	43	7731	1.003	ug/l	#	86
44) Trichloroethene	9.359	130	3865	1.111	ug/l		78
45) 1,2-Dichloropropane	9.629	63	4049	1.062	ug/l		98
46) Dibromomethane	9.712	93	2725	1.060	ug/l		92
47) Bromodichloromethane	9.894	83	5408	1.048	ug/l	#	89
48) Methyl methacrylate	9.688	41	3412	0.955	ug/l	#	79
49) 1,4-Dioxane	9.700	88	1197	19.036	ug/l	#	71
51) 4-Methyl-2-Pentanone	10.447	43	20660	4.308	ug/l		88
52) Toluene	10.641	92	7529	0.859	ug/l		89
53) t-1,3-Dichloropropene	10.835	75	4653	0.893	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	5240	0.919	ug/l	#	83
55) 1,1,2-Trichloroethane	11.024	97	3694	1.066	ug/l	#	81
56) Ethyl methacrylate	10.882	69	3704	0.757	ug/l	#	87
57) 1,3-Dichloropropane	11.171	76	5576	0.919	ug/l		94
58) 2-Chloroethyl Vinyl ether	10.165	63	6858	3.803	ug/l	#	84
59) 2-Hexanone	11.200	43	14396	4.083	ug/l		82
60) Dibromochloromethane	11.365	129	3334	0.930	ug/l		96
61) 1,2-Dibromoethane	11.476	107	3014	0.873	ug/l		90
64) Tetrachloroethene	11.106	164	3321	1.191	ug/l	#	83
65) Chlorobenzene	11.894	112	9468	1.089	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.971	131	3515	1.088	ug/l	#	63
67) Ethyl Benzene	11.965	91	13024	0.850	ug/l		92
68) m/p-Xylenes	12.076	106	9374	1.654	ug/l		97
69) o-Xylene	12.394	106	4570	0.839	ug/l		90
70) Styrene	12.418	104	6803	0.779	ug/l		98
71) Bromoform	12.588	173	2611	1.128	ug/l	#	100
73) Isopropylbenzene	12.700	105	10641	1.150	ug/l		95
74) N-amyl acetate	12.500	43	4341	1.179	ug/l	#	78
75) 1,1,2,2-Tetrachloroethane	12.941	83	5018	1.531	ug/l		96
76) 1,2,3-Trichloropropane	12.988	75	5583	2.012	ug/l		58
77) Bromobenzene	12.988	156	2664	1.224	ug/l		88
78) n-propylbenzene	13.041	91	11010	1.033	ug/l		95
79) 2-Chlorotoluene	13.129	91	8658	1.303	ug/l		95
80) 1,3,5-Trimethylbenzene	13.182	105	7190	0.953	ug/l		91
81) trans-1,4-Dichloro-2-b...	12.747	75	970	1.055	ug/l	#	61
82) 4-Chlorotoluene	13.217	91	6369	0.998	ug/l		100
83) tert-Butylbenzene	13.447	119	6354	1.028	ug/l		94
84) 1,2,4-Trimethylbenzene	13.488	105	6172	0.848	ug/l		96
85) sec-Butylbenzene	13.623	105	8396	0.974	ug/l		97
86) p-Isopropyltoluene	13.735	119	5704	0.830	ug/l		94
87) 1,3-Dichlorobenzene	13.735	146	3568	0.969	ug/l		95
88) 1,4-Dichlorobenzene	13.735	146	3568	0.973	ug/l		92
89) n-Butylbenzene	14.059	91	4504	0.825	ug/l		97
90) Hexachloroethane	14.341	117	2099	1.446	ug/l		65
91) 1,2-Dichlorobenzene	14.112	146	3684	1.029	ug/l		86
92) 1,2-Dibromo-3-Chloropr...	14.717	75	729	1.443	ug/l		79
93) 1,2,4-Trichlorobenzene	15.400	180	1016	0.952	ug/l		78
94) Hexachlorobutadiene	15.506	225	1667	1.760	ug/l		85
95) Naphthalene	15.647	128	3923	1.266	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	1299	1.090	ug/l	#	82

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

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