

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079224.D
 Acq On : 11 Sep 2023 18:17
 Operator : JC\MD
 Sample : VN0911MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 05:20:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	147108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	221956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	108831	54.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.600%			
35) Dibromofluoromethane	8.171	113	91137	55.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.380%			
50) Toluene-d8	10.571	98	339569	56.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.020%#			
62) 4-Bromofluorobenzene	12.853	95	109863	57.315	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	25107	17.249	ug/l	98
3) Chloromethane	2.365	50	34756	18.190	ug/l	99
4) Vinyl Chloride	2.512	62	37031	17.786	ug/l	99
5) Bromomethane	2.959	94	19597	16.375	ug/l	95
6) Chloroethane	3.118	64	23433	16.953	ug/l	98
7) Trichlorofluoromethane	3.495	101	52439	17.200	ug/l	96
8) Diethyl Ether	3.965	74	19327	18.264	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	28907	17.829	ug/l	95
10) Methyl Iodide	4.595	142	24669	18.600	ug/l #	90
11) Tert butyl alcohol	5.536	59	30268	82.558	ug/l	96
12) 1,1-Dichloroethene	4.342	96	28522	18.179	ug/l	95
13) Acrolein	4.183	56	30237	86.461	ug/l	96
14) Allyl chloride	5.030	41	43291	17.297	ug/l	93
15) Acrylonitrile	5.730	53	88757	93.365	ug/l	98
16) Acetone	4.436	43	74011	87.754	ug/l	99
17) Carbon Disulfide	4.712	76	81798	16.681	ug/l	98
18) Methyl Acetate	5.030	43	63203	18.234	ug/l #	86
19) Methyl tert-butyl Ether	5.806	73	98750	18.352	ug/l	97
20) Methylene Chloride	5.283	84	36135	17.606	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	32446	17.827	ug/l #	83
22) Diisopropyl ether	6.677	45	106064	19.314	ug/l #	90
23) Vinyl Acetate	6.612	43	315461	93.393	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	62306	18.405	ug/l	95
25) 2-Butanone	7.489	43	113319	92.604	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	50129	18.045	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	37182	17.866	ug/l	88
28) Bromochloromethane	7.818	49	33786	22.073	ug/l	82
29) Tetrahydrofuran	7.847	42	75316	96.716	ug/l #	79
30) Chloroform	7.971	83	64549	18.313	ug/l	96
31) Cyclohexane	8.265	56	52446	18.088	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	57097	19.004	ug/l	98
36) 1,1-Dichloropropene	8.377	75	47633	18.883	ug/l	95
37) Ethyl Acetate	7.565	43	46698	18.560	ug/l #	94
38) Carbon Tetrachloride	8.365	117	49017	18.777	ug/l	97
39) Methylcyclohexane	9.606	83	46893	18.846	ug/l	91
40) Benzene	8.612	78	143991	18.646	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	23440	18.477	ug/l	92
42) 1,2-Dichloroethane	8.677	62	49742	18.711	ug/l	100
43) Isopropyl Acetate	8.694	43	75693	18.437	ug/l #	93
44) Trichloroethene	9.359	130	34666	18.223	ug/l	100
45) 1,2-Dichloropropane	9.630	63	36723	19.162	ug/l	95
46) Dibromomethane	9.712	93	24786	19.051	ug/l #	87
47) Bromodichloromethane	9.894	83	50288	18.872	ug/l	93
48) Methyl methacrylate	9.688	41	34228	18.613	ug/l #	80
49) 1,4-Dioxane	9.700	88	14347	379.317	ug/l #	83
51) 4-Methyl-2-Pentanone	10.453	43	231422	97.106	ug/l	94
52) Toluene	10.635	92	88661	18.682	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	51020	18.158	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	57475	19.125	ug/l	98
55) 1,1,2-Trichloroethane	11.024	97	34795	18.685	ug/l	94
56) Ethyl methacrylate	10.877	69	52486	19.967	ug/l	89
57) 1,3-Dichloropropane	11.171	76	61885	19.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	104311	101.051	ug/l	91
59) 2-Hexanone	11.200	43	165281	95.753	ug/l	92
60) Dibromochloromethane	11.365	129	37792	19.069	ug/l	99
61) 1,2-Dibromoethane	11.476	107	35213	18.948	ug/l	100
64) Tetrachloroethene	11.112	164	29855	18.447	ug/l	89
65) Chlorobenzene	11.894	112	90220	17.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	34659	18.382	ug/l	98
67) Ethyl Benzene	11.971	91	159915	18.594	ug/l	97
68) m/p-Xylenes	12.076	106	122514	38.217	ug/l	97
69) o-Xylene	12.400	106	58950	19.174	ug/l	96
70) Styrene	12.418	104	95011	19.214	ug/l	98
71) Bromoform	12.582	173	26391	18.960	ug/l #	98
73) Isopropylbenzene	12.700	105	148725	17.984	ug/l	99
74) N-amyl acetate	12.500	43	54400	17.339	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	51617	16.762	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	47337m	19.323	ug/l	
77) Bromobenzene	12.982	156	37071	17.704	ug/l	96
78) n-propylbenzene	13.041	91	169564	18.253	ug/l	99
79) 2-Chlorotoluene	13.129	91	105550	17.372	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	124625	18.086	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	15188	17.045	ug/l	94
82) 4-Chlorotoluene	13.229	91	100215	17.553	ug/l	98
83) tert-Butylbenzene	13.441	119	102853	18.043	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	121802	18.560	ug/l	99
85) sec-Butylbenzene	13.618	105	141304	18.006	ug/l	98
86) p-Isopropyltoluene	13.735	119	114730	18.299	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	60295	17.556	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	58351	16.813	ug/l	99
89) n-Butylbenzene	14.059	91	85120	17.264	ug/l	99
90) Hexachloroethane	14.341	117	22286	17.503	ug/l	78
91) 1,2-Dichlorobenzene	14.112	146	58912	17.376	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8970	19.161	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	20006	16.420	ug/l	96
94) Hexachlorobutadiene	15.506	225	15512	16.184	ug/l	97
95) Naphthalene	15.647	128	54001	14.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	22330	15.537	ug/l	94

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

