

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080568.D
 Acq On : 21 Dec 2023 13:05
 Operator : JC\MD
 Sample : VN1221MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2023
 Supervised By : Mahesh Dadoda 12/22/2023

Quant Time: Dec 22 03:58:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	302489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	490237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	201839	52.243	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.480%			
35) Dibromofluoromethane	8.165	113	158032	50.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.571	98	577229	49.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.847	95	209351	47.559	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	67659	17.503	ug/l	98
3) Chloromethane	2.360	50	62436	15.154	ug/l	96
4) Vinyl Chloride	2.518	62	53221	16.122	ug/l	99
5) Bromomethane	2.965	94	26697	17.937	ug/l	94
6) Chloroethane	3.124	64	34492	16.260	ug/l	94
7) Trichlorofluoromethane	3.501	101	114498	17.100	ug/l	96
8) Diethyl Ether	3.959	74	39061	18.521	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	57774	18.204	ug/l	95
10) Methyl Iodide	4.589	142	41072	14.713	ug/l #	88
11) Tert butyl alcohol	5.518	59	41413	91.015	ug/l	99
12) 1,1-Dichloroethene	4.342	96	56252	17.299	ug/l	89
13) Acrolein	4.171	56	55002	110.379	ug/l	96
14) Allyl chloride	5.018	41	71419	17.751	ug/l	98
15) Acrylonitrile	5.718	53	133587	103.906	ug/l	98
16) Acetone	4.424	43	82369	120.240	ug/l	98
17) Carbon Disulfide	4.718	76	146153	15.859	ug/l	97
18) Methyl Acetate	5.018	43	96108	21.804	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	208340	19.203	ug/l	98
20) Methylene Chloride	5.277	84	67507	18.414	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	62154	17.628	ug/l	90
22) Diisopropyl ether	6.671	45	176669	20.345	ug/l	95
23) Vinyl Acetate	6.600	43	435000	87.222	ug/l	94
24) 1,1-Dichloroethane	6.565	63	112449	18.561	ug/l	99
25) 2-Butanone	7.483	43	138137	104.675	ug/l	95
26) 2,2-Dichloropropane	7.494	77	101919	16.452	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	71006	17.791	ug/l	91
28) Bromochloromethane	7.812	49	48764	20.964	ug/l	96
29) Tetrahydrofuran	7.836	42	93835	99.297	ug/l	91
30) Chloroform	7.965	83	128237	19.069	ug/l	93
31) Cyclohexane	8.259	56	87335	16.623	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	119123	18.092	ug/l	95
36) 1,1-Dichloropropene	8.371	75	88273	17.369	ug/l	97
37) Ethyl Acetate	7.559	43	57027	17.919	ug/l	99
38) Carbon Tetrachloride	8.359	117	103924	17.113	ug/l	90
39) Methylcyclohexane	9.600	83	81570	15.450	ug/l	91
40) Benzene	8.606	78	265130	18.066	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	36486	19.886	ug/l	93
42) 1,2-Dichloroethane	8.671	62	98367	18.100	ug/l	100
43) Isopropyl Acetate	8.688	43	108464	18.955	ug/l	96
44) Trichloroethene	9.353	130	69907	17.669	ug/l	97
45) 1,2-Dichloropropane	9.618	63	64670	18.762	ug/l	95
46) Dibromomethane	9.706	93	45694	18.460	ug/l	90
47) Bromodichloromethane	9.888	83	99265	18.711	ug/l	97
48) Methyl methacrylate	9.683	41	61481	18.004	ug/l	91
49) 1,4-Dioxane	9.694	88	17393	336.038	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	300715	95.420	ug/l	100
52) Toluene	10.630	92	167088	18.022	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	102575	17.871	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	108919	17.753	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	66980	20.078	ug/l	98
56) Ethyl methacrylate	10.877	69	64842	17.556	ug/l	89
57) 1,3-Dichloropropane	11.165	76	112734	19.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	192298	82.473	ug/l	97
59) 2-Hexanone	11.194	43	227570	97.813	ug/l	98
60) Dibromochloromethane	11.359	129	74148	18.757	ug/l	98
61) 1,2-Dibromoethane	11.471	107	64555	18.697	ug/l	98
64) Tetrachloroethene	11.106	164	56407	17.739	ug/l	97
65) Chlorobenzene	11.894	112	170754	18.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	68364	19.017	ug/l	96
67) Ethyl Benzene	11.965	91	300387	17.831	ug/l	95
68) m/p-Xylenes	12.071	106	226156	36.330	ug/l	91
69) o-Xylene	12.400	106	108334	17.793	ug/l	90
70) Styrene	12.412	104	165905	18.916	ug/l	95
71) Bromoform	12.582	173	46615	17.781	ug/l #	99
73) Isopropylbenzene	12.694	105	275386	18.476	ug/l	98
74) N-amyl acetate	12.494	43	86548	19.885	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	81412	20.384	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	74344m	20.085	ug/l	
77) Bromobenzene	12.982	156	69403	18.929	ug/l	98
78) n-propylbenzene	13.035	91	305962	18.618	ug/l	99
79) 2-Chlorotoluene	13.124	91	202368	18.862	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	241156	18.786	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	26166	18.561	ug/l	93
82) 4-Chlorotoluene	13.224	91	206393	18.716	ug/l	95
83) tert-Butylbenzene	13.441	119	186793	17.768	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	231530	18.130	ug/l	99
85) sec-Butylbenzene	13.618	105	240815	17.907	ug/l	99
86) p-Isopropyltoluene	13.729	119	218698	18.011	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	115470	17.874	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	114196	17.512	ug/l	95
89) n-Butylbenzene	14.059	91	175567	17.314	ug/l	98
90) Hexachloroethane	14.335	117	35321	18.316	ug/l	79
91) 1,2-Dichlorobenzene	14.106	146	112412	18.325	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16592	19.750	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	65030	19.093	ug/l	98
94) Hexachlorobutadiene	15.506	225	32370	16.694	ug/l	99
95) Naphthalene	15.641	128	195474	18.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	60958	18.547	ug/l	96

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

