

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080834.D
 Acq On : 31 Jan 2024 12:35
 Operator : JC\MD
 Sample : VN0131WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

Quant Time: Jan 31 23:14:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	110119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	220965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	190064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99868	52.423	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	8.165	113	71875	53.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.340%			
50) Toluene-d8	10.565	98	280135	52.944	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.853	95	94838	51.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31804	19.445	ug/l	90
3) Chloromethane	2.359	50	52570	21.382	ug/l	96
4) Vinyl Chloride	2.512	62	38132	20.400	ug/l	91
5) Bromomethane	2.959	94	16375	21.902	ug/l	99
6) Chloroethane	3.124	64	23799	23.882	ug/l #	88
7) Trichlorofluoromethane	3.501	101	49762	20.570	ug/l	98
8) Diethyl Ether	3.953	74	23443	21.007	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	30295	21.476	ug/l	98
10) Methyl Iodide	4.595	142	23269	19.540	ug/l	92
11) Tert butyl alcohol	5.518	59	31862	102.602	ug/l #	82
12) 1,1-Dichloroethene	4.348	96	28138	18.204	ug/l	93
13) Acrolein	4.177	56	42999	109.801	ug/l	97
14) Allyl chloride	5.024	41	64143	20.994	ug/l	95
15) Acrylonitrile	5.718	53	97389	104.276	ug/l	98
16) Acetone	4.430	43	72591	105.067	ug/l	89
17) Carbon Disulfide	4.712	76	89790	18.659	ug/l	97
18) Methyl Acetate	5.024	43	52638	21.861	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	108860	19.988	ug/l	96
20) Methylene Chloride	5.283	84	36033	19.868	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	32724	19.487	ug/l	98
22) Diisopropyl ether	6.671	45	144307	21.407	ug/l	97
23) Vinyl Acetate	6.606	43	534308	109.544	ug/l	100
24) 1,1-Dichloroethane	6.571	63	72084	21.085	ug/l	97
25) 2-Butanone	7.483	43	132402	100.892	ug/l	94
26) 2,2-Dichloropropane	7.488	77	56971	20.617	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	38966	20.045	ug/l	96
28) Bromochloromethane	7.806	49	34328	18.965	ug/l	92
29) Tetrahydrofuran	7.847	42	91951	103.550	ug/l	97
30) Chloroform	7.971	83	63652	20.041	ug/l	93
31) Cyclohexane	8.265	56	63951	19.577	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	53133	20.629	ug/l	99
36) 1,1-Dichloropropene	8.371	75	50587	20.133	ug/l	97
37) Ethyl Acetate	7.559	43	59276	22.916	ug/l	97
38) Carbon Tetrachloride	8.359	117	39455	19.489	ug/l	96
39) Methylcyclohexane	9.600	83	50055	20.042	ug/l	97
40) Benzene	8.612	78	154044	20.859	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	32544	21.347	ug/l	93
42) 1,2-Dichloroethane	8.677	62	54696	22.734	ug/l	97
43) Isopropyl Acetate	8.688	43	97486	20.701	ug/l	98
44) Trichloroethene	9.353	130	31321	19.255	ug/l	91
45) 1,2-Dichloropropane	9.624	63	42487	21.259	ug/l	98
46) Dibromomethane	9.712	93	23910	20.182	ug/l	99
47) Bromodichloromethane	9.888	83	47722	19.840	ug/l #	95
48) Methyl methacrylate	9.677	41	44656	19.560	ug/l	97
49) 1,4-Dioxane	9.700	88	12045	437.991	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	277950	105.579	ug/l	100
52) Toluene	10.635	92	89397	21.113	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	57463	20.507	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	62206	20.415	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	33904	20.835	ug/l	92
56) Ethyl methacrylate	10.871	69	56291	22.502	ug/l	98
57) 1,3-Dichloropropane	11.165	76	62439	20.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	141454	96.998	ug/l	100
59) 2-Hexanone	11.194	43	212422	103.877	ug/l	98
60) Dibromochloromethane	11.359	129	30945	20.444	ug/l	96
61) 1,2-Dibromoethane	11.476	107	31321	20.537	ug/l	93
64) Tetrachloroethene	11.106	164	24719	19.787	ug/l	96
65) Chlorobenzene	11.894	112	86624	20.883	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	27352	20.277	ug/l	96
67) Ethyl Benzene	11.965	91	160841	20.862	ug/l	93
68) m/p-Xylenes	12.071	106	117302	42.842	ug/l	99
69) o-Xylene	12.400	106	58690	21.572	ug/l	98
70) Styrene	12.412	104	93397	21.375	ug/l	99
71) Bromoform	12.582	173	18062	19.803	ug/l #	94
73) Isopropylbenzene	12.694	105	136721	20.713	ug/l	98
74) N-amyl acetate	12.494	43	84707	20.670	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	46132	19.869	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	39292m	18.074	ug/l	
77) Bromobenzene	12.982	156	27346	19.381	ug/l	92
78) n-propylbenzene	13.035	91	166375	21.099	ug/l	99
79) 2-Chlorotoluene	13.129	91	103750	20.701	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	110841	21.085	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	18821	22.304	ug/l	90
82) 4-Chlorotoluene	13.223	91	100104	20.171	ug/l	97
83) tert-Butylbenzene	13.441	119	90150	21.475	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	114219	21.445	ug/l	100
85) sec-Butylbenzene	13.618	105	126973	20.516	ug/l	98
86) p-Isopropyltoluene	13.729	119	100548	20.906	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	52090	20.640	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	49836	19.696	ug/l	97
89) n-Butylbenzene	14.059	91	96409	20.484	ug/l	97
90) Hexachloroethane	14.335	117	16353	19.432	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	50352	21.798	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7705	17.754	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	22643	19.045	ug/l	93
94) Hexachlorobutadiene	15.506	225	10480	20.177	ug/l	90
95) Naphthalene	15.641	128	87164	19.160	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	22763	19.479	ug/l	99

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

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