

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080835.D
 Acq On : 31 Jan 2024 13:09
 Operator : JC\MD
 Sample : VN0131WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 23:15:09 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	8.224	168	100320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	204410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	176184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	97312	56.071	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.140%			
35) Dibromofluoromethane	8.165	113	68958	55.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.280%			
50) Toluene-d8	10.570	98	262030	53.533	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.853	95	85711	50.250	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31706	21.278	ug/l	88
3) Chloromethane	2.359	50	44938	20.063	ug/l	95
4) Vinyl Chloride	2.512	62	36827	21.627	ug/l #	85
5) Bromomethane	2.953	94	16338	23.987	ug/l #	81
6) Chloroethane	3.124	64	20323	22.386	ug/l	97
7) Trichlorofluoromethane	3.494	101	44669	20.268	ug/l	93
8) Diethyl Ether	3.959	74	20913	20.570	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.377	101	26553	20.662	ug/l	100
10) Methyl Iodide	4.594	142	22510	20.749	ug/l #	92
11) Tert butyl alcohol	5.506	59	26608	94.052	ug/l	99
12) 1,1-Dichloroethene	4.336	96	29253	20.774	ug/l	92
13) Acrolein	4.177	56	40373	113.166	ug/l	99
14) Allyl chloride	5.024	41	58883	21.155	ug/l	100
15) Acrylonitrile	5.724	53	92927	109.217	ug/l	98
16) Acetone	4.424	43	66530	105.700	ug/l	96
17) Carbon Disulfide	4.706	76	84944	19.377	ug/l #	87
18) Methyl Acetate	5.024	43	50344	22.950	ug/l	96
19) Methyl tert-butyl Ether	5.788	73	107967	21.760	ug/l	93
20) Methylene Chloride	5.283	84	33502	20.277	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	30887	20.190	ug/l	86
22) Diisopropyl ether	6.665	45	136704	22.260	ug/l	95
23) Vinyl Acetate	6.606	43	526851m	118.565	ug/l	
24) 1,1-Dichloroethane	6.571	63	67816	21.774	ug/l	97
25) 2-Butanone	7.482	43	127864	106.951	ug/l	94
26) 2,2-Dichloropropane	7.494	77	51374	20.408	ug/l	94
27) cis-1,2-Dichloroethene	7.482	96	37202	21.007	ug/l	99
28) Bromochloromethane	7.818	49	33368	20.236	ug/l #	97
29) Tetrahydrofuran	7.835	42	84984	105.052	ug/l	99
30) Chloroform	7.965	83	63106	21.809	ug/l	91
31) Cyclohexane	8.253	56	60834	20.441	ug/l #	92
32) 1,1,1-Trichloroethane	8.171	97	48997	20.882	ug/l	96
36) 1,1-Dichloropropene	8.371	75	47805	20.566	ug/l	98
37) Ethyl Acetate	7.559	43	51238	21.413	ug/l	96
38) Carbon Tetrachloride	8.365	117	39273	20.970	ug/l	91
39) Methylcyclohexane	9.600	83	47193	20.426	ug/l	98
40) Benzene	8.606	78	146497	21.444	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	31513	22.345	ug/l	93
42) 1,2-Dichloroethane	8.671	62	52039	23.381	ug/l	97
43) Isopropyl Acetate	8.688	43	96194	22.081	ug/l	97
44) Trichloroethene	9.353	130	30141	20.031	ug/l	99
45) 1,2-Dichloropropane	9.623	63	41212	22.291	ug/l #	88
46) Dibromomethane	9.706	93	24492	22.347	ug/l	95
47) Bromodichloromethane	9.888	83	48821	21.941	ug/l	90
48) Methyl methacrylate	9.682	41	42648	20.193	ug/l	98
49) 1,4-Dioxane	9.694	88	11066	434.981	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	277774	114.058	ug/l	95
52) Toluene	10.635	92	85201	21.751	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	55044	21.235	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	60849	21.586	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	32539	21.615	ug/l	93
56) Ethyl methacrylate	10.876	69	52951	22.881	ug/l	96
57) 1,3-Dichloropropane	11.165	76	63449	22.396	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	136872	101.457	ug/l	99
59) 2-Hexanone	11.194	43	196542	103.895	ug/l	97
60) Dibromochloromethane	11.359	129	30376	21.694	ug/l	100
61) 1,2-Dibromoethane	11.470	107	32232	22.846	ug/l	99
64) Tetrachloroethene	11.106	164	23414	20.219	ug/l	93
65) Chlorobenzene	11.894	112	79887	20.776	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	26146	20.910	ug/l	98
67) Ethyl Benzene	11.965	91	145925	20.418	ug/l	95
68) m/p-Xylenes	12.076	106	107905	42.515	ug/l	98
69) o-Xylene	12.400	106	53287	21.129	ug/l	95
70) Styrene	12.412	104	88218	21.781	ug/l	98
71) Bromoform	12.582	173	15767	18.649	ug/l #	87
73) Isopropylbenzene	12.700	105	127161	20.180	ug/l	97
74) N-amyl acetate	12.494	43	78065	19.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	45175	20.381	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	34207m	16.483	ug/l	
77) Bromobenzene	12.982	156	27291	20.261	ug/l	96
78) n-propylbenzene	13.035	91	162542	21.592	ug/l	98
79) 2-Chlorotoluene	13.123	91	98085	20.500	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	103474	20.619	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	15725	19.520	ug/l #	76
82) 4-Chlorotoluene	13.223	91	94718	19.993	ug/l	98
83) tert-Butylbenzene	13.441	119	81896	20.436	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	106874	21.020	ug/l	99
85) sec-Butylbenzene	13.617	105	118836	20.114	ug/l	95
86) p-Isopropyltoluene	13.729	119	94366	20.553	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	48419	20.097	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	49720	20.584	ug/l	98
89) n-Butylbenzene	14.059	91	90454	20.132	ug/l	98
90) Hexachloroethane	14.341	117	14753	18.364	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	46864	21.252	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7831	18.902	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	22191	19.552	ug/l	93
94) Hexachlorobutadiene	15.505	225	9567	19.294	ug/l	95
95) Naphthalene	15.641	128	82011	18.884	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	21709	19.459	ug/l	95

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

