

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080861.D
 Acq On : 01 Feb 2024 11:39
 Operator : JC\MD
 Sample : VN0201WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2024
 Supervised By : Semsettin Yesilyurt 02/02/2024

Quant Time: Feb 02 03:34:08 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	93695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	195145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	171568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88395	54.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.060%			
35) Dibromofluoromethane	8.171	113	59371	49.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.460%			
50) Toluene-d8	10.565	98	233393	49.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.853	95	83017	50.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	27657	19.873	ug/l	98
3) Chloromethane	2.359	50	44732	21.383	ug/l	96
4) Vinyl Chloride	2.512	62	33602	21.128	ug/l	93
5) Bromomethane	2.965	94	13848	21.769	ug/l	99
6) Chloroethane	3.124	64	20462	24.132	ug/l	99
7) Trichlorofluoromethane	3.495	101	56385	27.394	ug/l	93
8) Diethyl Ether	3.953	74	23607	24.862	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	24821	20.680	ug/l	98
10) Methyl Iodide	4.583	142	20007	19.746	ug/l	94
11) Tert butyl alcohol	5.512	59	25862	97.879	ug/l #	90
12) 1,1-Dichloroethene	4.336	96	25891	19.687	ug/l	88
13) Acrolein	4.165	56	41224	123.721	ug/l	100
14) Allyl chloride	5.024	41	54754	21.063	ug/l	98
15) Acrylonitrile	5.718	53	87167	109.692	ug/l	97
16) Acetone	4.418	43	67394	114.644	ug/l	99
17) Carbon Disulfide	4.712	76	77770	18.994	ug/l	97
18) Methyl Acetate	5.024	43	46983	22.933	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	99741	21.523	ug/l	98
20) Methylene Chloride	5.277	84	31909	20.678	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	28790	20.149	ug/l #	85
22) Diisopropyl ether	6.665	45	127868	22.293	ug/l	94
23) Vinyl Acetate	6.600	43	473960m	114.204	ug/l	
24) 1,1-Dichloroethane	6.571	63	62745	21.570	ug/l	98
25) 2-Butanone	7.477	43	117649	105.365	ug/l	96
26) 2,2-Dichloropropane	7.488	77	48279	20.535	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	35051	21.192	ug/l	97
28) Bromochloromethane	7.818	49	35851	23.279	ug/l	98
29) Tetrahydrofuran	7.835	42	80579	106.650	ug/l	96
30) Chloroform	7.965	83	56919	21.062	ug/l #	83
31) Cyclohexane	8.253	56	53407	19.215	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	44799	20.442	ug/l	95
36) 1,1-Dichloropropene	8.371	75	43080	19.413	ug/l	98
37) Ethyl Acetate	7.559	43	49860	21.827	ug/l	98
38) Carbon Tetrachloride	8.365	117	33561	18.771	ug/l	98
39) Methylcyclohexane	9.606	83	42286	19.172	ug/l	98
40) Benzene	8.606	78	131644	20.184	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27460	20.395	ug/l	95
42) 1,2-Dichloroethane	8.665	62	47481	22.346	ug/l	99
43) Isopropyl Acetate	8.688	43	86643	20.832	ug/l	98
44) Trichloroethene	9.347	130	26764	18.631	ug/l	85
45) 1,2-Dichloropropane	9.624	63	35909	20.345	ug/l	98
46) Dibromomethane	9.706	93	22624	21.623	ug/l	96
47) Bromodichloromethane	9.888	83	43865	20.649	ug/l	90
48) Methyl methacrylate	9.682	41	41056	20.362	ug/l	97
49) 1,4-Dioxane	9.688	88	10083	415.158	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	246502	106.023	ug/l	99
52) Toluene	10.629	92	75678	20.237	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	49488	19.998	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	56068	20.835	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	29123	20.265	ug/l	88
56) Ethyl methacrylate	10.876	69	51388	23.260	ug/l	98
57) 1,3-Dichloropropane	11.159	76	57644	21.313	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	148441	115.257	ug/l	100
59) 2-Hexanone	11.194	43	188585	104.422	ug/l	95
60) Dibromochloromethane	11.365	129	26081	19.511	ug/l	97
61) 1,2-Dibromoethane	11.471	107	28742	21.340	ug/l	99
64) Tetrachloroethene	11.100	164	21356	18.938	ug/l	91
65) Chlorobenzene	11.894	112	74500	19.896	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	23999	19.709	ug/l	97
67) Ethyl Benzene	11.965	91	139373	20.026	ug/l	98
68) m/p-Xylenes	12.070	106	98866	40.001	ug/l	99
69) o-Xylene	12.400	106	50576	20.594	ug/l	94
70) Styrene	12.412	104	80389	20.382	ug/l	99
71) Bromoform	12.582	173	15287	18.568	ug/l #	95
73) Isopropylbenzene	12.694	105	116948	19.228	ug/l	100
74) N-amyl acetate	12.494	43	73629	19.498	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	43780	20.463	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	40627m	20.282	ug/l	
77) Bromobenzene	12.976	156	24802	19.076	ug/l	94
78) n-propylbenzene	13.035	91	143060	19.689	ug/l	100
79) 2-Chlorotoluene	13.123	91	89615	19.405	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	95392	19.693	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	14559	18.724	ug/l	90
82) 4-Chlorotoluene	13.223	91	86287	18.869	ug/l	98
83) tert-Butylbenzene	13.441	119	73707	19.055	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	99967	20.369	ug/l	99
85) sec-Butylbenzene	13.617	105	113922	19.977	ug/l	97
86) p-Isopropyltoluene	13.729	119	86058	19.419	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	44796	19.263	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	45207	19.390	ug/l	98
89) n-Butylbenzene	14.059	91	85823	19.789	ug/l	97
90) Hexachloroethane	14.341	117	14090	18.170	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	45493	21.373	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8194	20.490	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	21207	19.358	ug/l	96
94) Hexachlorobutadiene	15.500	225	8567	17.900	ug/l	98
95) Naphthalene	15.641	128	77532	18.495	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	20701	19.224	ug/l	98

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

