

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080876.D
 Acq On : 02 Feb 2024 16:16
 Operator : JC\MD
 Sample : VN0202WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/05/2024
 Supervised By : Semsettin Yesilyurt 02/05/2024

Quant Time: Feb 02 23:51:50 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	89351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	185226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	161312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	76743	49.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.300%		
35) Dibromofluoromethane	8.165	113	54027	47.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	10.571	98	200038	45.101	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.200%		
62) 4-Bromofluorobenzene	12.853	95	77224	49.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	24812	18.696	ug/l	94
3) Chloromethane	2.359	50	39176	19.638	ug/l	93
4) Vinyl Chloride	2.512	62	30769	20.287	ug/l	91
5) Bromomethane	2.954	94	13367	22.034	ug/l	95
6) Chloroethane	3.112	64	17825	22.044	ug/l	100
7) Trichlorofluoromethane	3.495	101	38388	19.557	ug/l	100
8) Diethyl Ether	3.959	74	18734	20.689	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	23301	20.357	ug/l #	79
10) Methyl Iodide	4.583	142	19008	19.672	ug/l #	90
11) Tert butyl alcohol	5.512	59	28429	112.825	ug/l	100
12) 1,1-Dichloroethene	4.336	96	23194	18.493	ug/l	86
13) Acrolein	4.177	56	36676	115.423	ug/l	92
14) Allyl chloride	5.024	41	50751	20.472	ug/l	96
15) Acrylonitrile	5.718	53	85038	112.215	ug/l	97
16) Acetone	4.424	43	66453	118.539	ug/l	97
17) Carbon Disulfide	4.712	76	68451	17.531	ug/l	96
18) Methyl Acetate	5.018	43	48558	24.854	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	96275	21.785	ug/l	99
20) Methylene Chloride	5.271	84	31779	21.595	ug/l #	85
21) trans-1,2-Dichloroethene	5.783	96	26711	19.603	ug/l	97
22) Diisopropyl ether	6.671	45	119268	21.805	ug/l	95
23) Vinyl Acetate	6.600	43	454971	114.959	ug/l	98
24) 1,1-Dichloroethane	6.565	63	57357	20.676	ug/l	98
25) 2-Butanone	7.483	43	118259	111.061	ug/l	99
26) 2,2-Dichloropropane	7.489	77	43900	19.580	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	30051	19.052	ug/l	88
28) Bromochloromethane	7.812	49	35141	23.927	ug/l	97
29) Tetrahydrofuran	7.836	42	77637	107.752	ug/l	98
30) Chloroform	7.965	83	52770	20.476	ug/l	100
31) Cyclohexane	8.259	56	49550	18.694	ug/l #	85
32) 1,1,1-Trichloroethane	8.165	97	45503	21.773	ug/l	94
36) 1,1-Dichloropropene	8.371	75	39837	18.913	ug/l	97
37) Ethyl Acetate	7.565	43	42572	19.634	ug/l #	76
38) Carbon Tetrachloride	8.365	117	29670	17.483	ug/l #	85
39) Methylcyclohexane	9.606	83	37710	18.012	ug/l	87
40) Benzene	8.606	78	127259	20.557	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26823	20.989	ug/l	97
42) 1,2-Dichloroethane	8.671	62	45471	22.546	ug/l	100
43) Isopropyl Acetate	8.688	43	84302	21.355	ug/l	98
44) Trichloroethene	9.353	130	25969	19.046	ug/l	83
45) 1,2-Dichloropropane	9.624	63	34896	20.830	ug/l	94
46) Dibromomethane	9.706	93	20994	21.139	ug/l	98
47) Bromodichloromethane	9.888	83	41461	20.563	ug/l	95
48) Methyl methacrylate	9.682	41	38291	20.008	ug/l	95
49) 1,4-Dioxane	9.694	88	11619	504.020	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	248493	112.602	ug/l	100
52) Toluene	10.629	92	74288	20.929	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	47650	20.286	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	48783	19.098	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	29685	21.762	ug/l #	92
56) Ethyl methacrylate	10.877	69	48006	22.893	ug/l	98
57) 1,3-Dichloropropane	11.165	76	58183	22.664	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	143785	117.620	ug/l	99
59) 2-Hexanone	11.200	43	192915	112.540	ug/l	93
60) Dibromochloromethane	11.359	129	28519	22.477	ug/l	99
61) 1,2-Dibromoethane	11.476	107	29142	22.796	ug/l	96
64) Tetrachloroethene	11.106	164	22634	21.347	ug/l	83
65) Chlorobenzene	11.894	112	70338	19.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	24083	21.036	ug/l	94
67) Ethyl Benzene	11.965	91	134439	20.545	ug/l	98
68) m/p-Xylenes	12.071	106	96363	41.467	ug/l	94
69) o-Xylene	12.400	106	45204	19.577	ug/l	88
70) Styrene	12.412	104	76626	20.663	ug/l	92
71) Bromoform	12.582	173	17398	22.475	ug/l #	97
73) Isopropylbenzene	12.694	105	115874	18.452	ug/l	99
74) N-amyl acetate	12.494	43	73693	18.901	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	42966	19.451	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	42847m	20.717	ug/l	
77) Bromobenzene	12.988	156	26785	19.953	ug/l	95
78) n-propylbenzene	13.035	91	142555	19.002	ug/l	96
79) 2-Chlorotoluene	13.129	91	89464	18.762	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	95710	19.137	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	13321	16.593	ug/l #	69
82) 4-Chlorotoluene	13.223	91	89267	18.907	ug/l	96
83) tert-Butylbenzene	13.441	119	75682	18.949	ug/l	92
84) 1,2,4-Trimethylbenzene	13.488	105	97439	19.230	ug/l	98
85) sec-Butylbenzene	13.618	105	106835	18.144	ug/l	95
86) p-Isopropyltoluene	13.735	119	86487	18.901	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	44326	18.461	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	46507	19.320	ug/l	98
89) n-Butylbenzene	14.059	91	81880	18.286	ug/l	99
90) Hexachloroethane	14.335	117	13990	17.473	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	43060	19.594	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8141	19.717	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	21681	19.168	ug/l	97
94) Hexachlorobutadiene	15.506	225	9955	20.145	ug/l	94
95) Naphthalene	15.647	128	78419	18.118	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	21147	19.020	ug/l	95

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

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