

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012423\
 Data File : VN076375.D
 Acq On : 24 Jan 2023 12:01
 Operator : JC\MD
 Sample : VN0124WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Quant Time: Jan 25 00:35:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	354380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	567128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	516817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	215692	54.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.720%			
35) Dibromofluoromethane	8.171	113	183924	51.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	10.571	98	690878	52.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.853	95	240163	56.151	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67525	18.594	ug/l	99
3) Chloromethane	2.377	50	73958	19.670	ug/l	98
4) Vinyl Chloride	2.530	62	95039	20.614	ug/l	98
5) Bromomethane	2.971	94	76464	20.252	ug/l	92
6) Chloroethane	3.136	64	69110	19.991	ug/l	95
7) Trichlorofluoromethane	3.518	101	121926	19.223	ug/l	100
8) Diethyl Ether	3.977	74	43474	20.435	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.394	101	69019	19.222	ug/l	99
10) Methyl Iodide	4.600	142	101783	18.557	ug/l	96
11) Tert butyl alcohol	5.536	59	48538	91.454	ug/l	95
12) 1,1-Dichloroethene	4.359	96	65003	19.151	ug/l	93
13) Acrolein	4.194	56	52196	82.236	ug/l	97
14) Allyl chloride	5.041	41	77385	19.564	ug/l	99
15) Acrylonitrile	5.730	53	152543	101.001	ug/l	99
16) Acetone	4.442	43	141490	111.193	ug/l	94
17) Carbon Disulfide	4.730	76	146488	17.333	ug/l	99
18) Methyl Acetate	5.041	43	85576	19.852	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	231957	20.991	ug/l	99
20) Methylene Chloride	5.289	84	76608	19.992	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	66975	18.214	ug/l	96
22) Diisopropyl ether	6.683	45	203028	21.765	ug/l	97
23) Vinyl Acetate	6.618	43	639264	106.036	ug/l	99
24) 1,1-Dichloroethane	6.588	63	125397	20.167	ug/l	98
25) 2-Butanone	7.494	43	195170	100.462	ug/l	90
26) 2,2-Dichloropropane	7.500	77	104694	19.977	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	84823	19.778	ug/l	97
28) Bromochloromethane	7.824	49	61659	24.465	ug/l	96
29) Tetrahydrofuran	7.847	42	118137	98.528	ug/l	99
30) Chloroform	7.977	83	141823	20.613	ug/l	99
31) Cyclohexane	8.265	56	109894	18.029	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	124502	19.820	ug/l	97
36) 1,1-Dichloropropene	8.382	75	99284	19.695	ug/l	98
37) Ethyl Acetate	7.571	43	82996	20.548	ug/l	97
38) Carbon Tetrachloride	8.371	117	108892	19.370	ug/l	100
39) Methylcyclohexane	9.606	83	119240	19.370	ug/l	92
40) Benzene	8.612	78	297711	19.750	ug/l	99

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41) Methacrylonitrile	7.782	41	45175	21.338	ug/l	98
42) 1,2-Dichloroethane	8.677	62	109923	21.314	ug/l	99
43) Isopropyl Acetate	8.694	43	134228	20.406	ug/l	97
44) Trichloroethene	9.359	130	79286	18.597	ug/l	99
45) 1,2-Dichloropropane	9.624	63	75119	20.815	ug/l	94
46) Dibromomethane	9.712	93	54983	20.179	ug/l	99
47) Bromodichloromethane	9.888	83	112774	21.339	ug/l	95
48) Methyl methacrylate	9.682	41	65584	21.061	ug/l	98
49) 1,4-Dioxane	9.694	88	25149	382.737	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	413069	106.973	ug/l	98
52) Toluene	10.635	92	199269	19.768	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	105429	20.927	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	121436	20.952	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	80438	20.876	ug/l	98
56) Ethyl methacrylate	10.876	69	108455	21.803	ug/l	98
57) 1,3-Dichloropropane	11.165	76	131175	20.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	150709	89.745	ug/l	100
59) 2-Hexanone	11.200	43	297194	106.208	ug/l	99
60) Dibromochloromethane	11.359	129	89682	22.111	ug/l	100
61) 1,2-Dibromoethane	11.470	107	79659	20.712	ug/l	99
64) Tetrachloroethene	11.106	164	82885	17.784	ug/l	97
65) Chlorobenzene	11.894	112	215808	19.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	84033	20.674	ug/l	99
67) Ethyl Benzene	11.965	91	386424	20.667	ug/l	98
68) m/p-Xylenes	12.076	106	304779	40.651	ug/l	99
69) o-Xylene	12.400	106	150405	20.428	ug/l	96
70) Styrene	12.412	104	241898	20.576	ug/l	99
71) Bromoform	12.576	173	62399	21.257	ug/l #	98
73) Isopropylbenzene	12.700	105	390812	21.029	ug/l	100
74) N-amyl acetate	12.500	43	112190	20.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	110323	20.650	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	100431m	22.426	ug/l	
77) Bromobenzene	12.982	156	92857	21.047	ug/l	99
78) n-propylbenzene	13.041	91	442077	21.082	ug/l	100
79) 2-Chlorotoluene	13.129	91	266340	20.699	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	330913	21.255	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	28023	19.409	ug/l	91
82) 4-Chlorotoluene	13.129	91	266340	20.699	ug/l	99
83) tert-Butylbenzene	13.441	119	301107	21.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	330475	21.169	ug/l	100
85) sec-Butylbenzene	13.617	105	407117	21.188	ug/l	100
86) p-Isopropyltoluene	13.735	119	340849	21.573	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	169625	19.365	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	165364	19.907	ug/l	98
89) n-Butylbenzene	14.059	91	260552	20.773	ug/l	99
90) Hexachloroethane	14.335	117	58624	21.498	ug/l	98
91) 1,2-Dichlorobenzene	14.111	146	164475	18.853	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17840	19.211	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	77115	19.121	ug/l	99
94) Hexachlorobutadiene	15.506	225	42073	18.173	ug/l	97
95) Naphthalene	15.647	128	222227	18.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	74217	19.198	ug/l	99

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

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