

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080598.D
 Acq On : 27 Dec 2023 12:59
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 28 02:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 01:54:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/28/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	469700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	833824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	648721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	277031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	31116	5.165	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.320%#		
35) Dibromofluoromethane	8.171	113	28370	5.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.520%#		
50) Toluene-d8	10.565	98	99737	5.297	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.600%#		
62) 4-Bromofluorobenzene	12.847	95	28764	4.539	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	28207	5.406	ug/l	94
3) Chloromethane	2.359	50	40042	5.744	ug/l	98
4) Vinyl Chloride	2.512	62	32444	5.588	ug/l	98
5) Bromomethane	2.947	94	12848	5.823	ug/l	87
6) Chloroethane	3.112	64	18004	4.967	ug/l	99
7) Trichlorofluoromethane	3.500	101	44484	5.366	ug/l	99
8) Diethyl Ether	3.965	74	14807	5.201	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.365	101	23189	5.124	ug/l #	68
10) Methyl Iodide	4.588	142	15928	5.094	ug/l	93
11) Tert butyl alcohol	5.512	59	20932	25.824	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	23486	5.410	ug/l	95
13) Acrolein	4.177	56	25022	27.303	ug/l	95
14) Allyl chloride	5.018	41	32368	4.911	ug/l	94
15) Acrylonitrile	5.718	53	54508	23.578	ug/l	97
16) Acetone	4.424	43	44837	27.377	ug/l	100
17) Carbon Disulfide	4.712	76	65880	5.643	ug/l #	95
18) Methyl Acetate	5.030	43	41724	4.595	ug/l	90
19) Methyl tert-butyl Ether	5.794	73	75034	4.801	ug/l	98
20) Methylene Chloride	5.271	84	26571	5.085	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	27547	5.252	ug/l	98
22) Diisopropyl ether	6.671	45	78822	5.385	ug/l #	93
23) Vinyl Acetate	6.606	43	226449m	27.528	ug/l	
24) 1,1-Dichloroethane	6.577	63	54113	5.515	ug/l	96
25) 2-Butanone	7.482	43	87786	28.678	ug/l #	85
26) 2,2-Dichloropropane	7.488	77	45777	5.360	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	34350	5.506	ug/l	90
28) Bromochloromethane	7.818	49	25811	5.658	ug/l #	80
29) Tetrahydrofuran	7.841	42	55868	27.985	ug/l #	82
30) Chloroform	7.971	83	55963	5.681	ug/l	98
31) Cyclohexane	8.259	56	45536	5.586	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	48318	5.440	ug/l	94
36) 1,1-Dichloropropene	8.376	75	38654	4.657	ug/l	95
37) Ethyl Acetate	7.565	43	26155	4.176	ug/l	97
38) Carbon Tetrachloride	8.365	117	37924	4.467	ug/l	96
39) Methylcyclohexane	9.606	83	32743	4.810	ug/l	87
40) Benzene	8.606	78	126178	5.546	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	20906	5.481	ug/l #	82
42) 1,2-Dichloroethane	8.671	62	38123	4.957	ug/l	98
43) Isopropyl Acetate	8.688	43	53706	5.291	ug/l #	96
44) Trichloroethene	9.353	130	31073	5.016	ug/l	93
45) 1,2-Dichloropropane	9.623	63	27097	4.804	ug/l	99
46) Dibromomethane	9.706	93	21317	5.617	ug/l	89
47) Bromodichloromethane	9.888	83	39911	5.017	ug/l	98
48) Methyl methacrylate	9.682	41	30277	5.372	ug/l #	84
49) 1,4-Dioxane	9.694	88	9936	110.295	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	161143	27.911	ug/l	95
52) Toluene	10.629	92	76085	5.766	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	39112	4.877	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	50249	5.598	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	26613	5.084	ug/l	96
56) Ethyl methacrylate	10.876	69	24938	4.864	ug/l #	89
57) 1,3-Dichloropropane	11.165	76	44141	4.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	89112	24.611	ug/l	95
59) 2-Hexanone	11.194	43	118510	27.235	ug/l	92
60) Dibromochloromethane	11.359	129	28693	4.923	ug/l	96
61) 1,2-Dibromoethane	11.470	107	27353	5.183	ug/l	96
64) Tetrachloroethene	11.106	164	22590	5.211	ug/l	92
65) Chlorobenzene	11.894	112	70702	5.239	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	26130	5.034	ug/l	95
67) Ethyl Benzene	11.964	91	115724	5.129	ug/l	100
68) m/p-Xylenes	12.076	106	84747	10.123	ug/l	97
69) o-Xylene	12.400	106	41680	5.069	ug/l	99
70) Styrene	12.412	104	58389	4.884	ug/l	98
71) Bromoform	12.582	173	18713	5.096	ug/l #	97
73) Isopropylbenzene	12.700	105	100009	5.274	ug/l	100
74) N-amyl acetate	12.500	43	35562	5.316	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	36563	5.588	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	32901m	5.522	ug/l	
77) Bromobenzene	12.982	156	26184	5.199	ug/l	94
78) n-propylbenzene	13.035	91	113360	5.228	ug/l	96
79) 2-Chlorotoluene	13.129	91	73262	5.176	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	79465	4.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	11502	5.229	ug/l #	58
82) 4-Chlorotoluene	13.223	91	75689	5.228	ug/l	100
83) tert-Butylbenzene	13.441	119	66279	4.953	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	81994	5.058	ug/l	99
85) sec-Butylbenzene	13.617	105	87707	4.953	ug/l	99
86) p-Isopropyltoluene	13.729	119	74895	5.102	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	47008	5.179	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	47590	5.216	ug/l	94
89) n-Butylbenzene	14.058	91	62552	4.727	ug/l	99
90) Hexachloroethane	14.335	117	13930	5.040	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	44955	5.132	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6882	5.096	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	23816	5.153	ug/l	95
94) Hexachlorobutadiene	15.500	225	11907	4.992	ug/l	98
95) Naphthalene	15.641	128	69538	4.834	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	22598	4.836	ug/l	99

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

