

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081733.D
 Acq On : 15 Apr 2024 12:11
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 15 15:13:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:10:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/15/2024
 Supervised By : Semsettin Yesilyurt 04/16/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	277924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	476596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	448042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	372683	95.295	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.580%#			
35) Dibromofluoromethane	8.165	113	313716	99.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.360%#			
50) Toluene-d8	10.571	98	1237991	106.778	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 213.560%#			
62) 4-Bromofluorobenzene	12.853	95	443120	111.842	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 223.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	293561	83.405	ug/l	98
3) Chloromethane	2.359	50	280276	96.754	ug/l	100
4) Vinyl Chloride	2.512	62	368128	85.458	ug/l	98
5) Bromomethane	2.942	94	187397	72.000	ug/l	98
6) Chloroethane	3.112	64	245698	97.766	ug/l	99
7) Trichlorofluoromethane	3.495	101	499469	89.788	ug/l	98
8) Diethyl Ether	3.959	74	166836	85.438	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	290052	83.249	ug/l	98
10) Methyl Iodide	4.589	142	184698	98.767	ug/l	95
11) Tert butyl alcohol	5.518	59	223221	418.426	ug/l	100
12) 1,1-Dichloroethene	4.342	96	277441	84.020	ug/l	94
13) Acrolein	4.171	56	228974	403.748	ug/l	98
14) Allyl chloride	5.024	41	373303	88.540	ug/l	98
15) Acrylonitrile	5.712	53	670767	455.608	ug/l	99
16) Acetone	4.418	43	437349	401.796	ug/l	99
17) Carbon Disulfide	4.712	76	812785	84.686	ug/l	99
18) Methyl Acetate	5.024	43	259745	85.317	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	922703	96.007	ug/l	100
20) Methylene Chloride	5.277	84	308310	97.790	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	306175	92.316	ug/l	91
22) Diisopropyl ether	6.671	45	904465	99.179	ug/l	98
23) Vinyl Acetate	6.600	43	3653868	513.291	ug/l	99
24) 1,1-Dichloroethane	6.565	63	555305	92.548	ug/l	99
25) 2-Butanone	7.482	43	810888	451.899	ug/l	96
26) 2,2-Dichloropropane	7.488	77	501943	95.966	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	382099	94.180	ug/l	99
28) Bromochloromethane	7.812	49	238934	93.271	ug/l	98
29) Tetrahydrofuran	7.835	42	568714	489.882	ug/l	99
30) Chloroform	7.965	83	620840	91.249	ug/l	96
31) Cyclohexane	8.259	56	491335	91.584	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	561733	93.106	ug/l	97
36) 1,1-Dichloropropene	8.371	75	437348	99.741	ug/l	99
37) Ethyl Acetate	7.559	43	366012	101.582	ug/l	100
38) Carbon Tetrachloride	8.365	117	507828	99.546	ug/l	98
39) Methylcyclohexane	9.600	83	552644	106.983	ug/l	94
40) Benzene	8.606	78	1345754	98.526	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	200885	102.706	ug/l	98
42) 1,2-Dichloroethane	8.671	62	430550	90.425	ug/l	99
43) Isopropyl Acetate	8.688	43	629165	93.597	ug/l	99
44) Trichloroethene	9.353	130	342673	96.473	ug/l	97
45) 1,2-Dichloropropane	9.624	63	316527	100.513	ug/l	92
46) Dibromomethane	9.712	93	247199	94.050	ug/l	97
47) Bromodichloromethane	9.888	83	499033	99.392	ug/l	98
48) Methyl methacrylate	9.682	41	285967	104.376	ug/l	99
49) 1,4-Dioxane	9.694	88	127783	1859.614	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	1882442	503.482	ug/l	100
52) Toluene	10.629	92	890933	102.689	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	519062	103.780	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	544026	102.107	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	325516	99.876	ug/l	96
56) Ethyl methacrylate	10.876	69	506333	112.910	ug/l	99
57) 1,3-Dichloropropane	11.165	76	546205	100.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1288500	543.032	ug/l	99
59) 2-Hexanone	11.200	43	1417101	523.575	ug/l	100
60) Dibromochloromethane	11.365	129	405255	102.875	ug/l	97
61) 1,2-Dibromoethane	11.470	107	342389	100.711	ug/l	99
64) Tetrachloroethene	11.106	164	365910	96.259	ug/l	93
65) Chlorobenzene	11.894	112	988869	95.918	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	341909	97.216	ug/l	99
67) Ethyl Benzene	11.965	91	1733198	106.802	ug/l	100
68) m/p-Xylenes	12.070	106	1369802	217.068	ug/l	99
69) o-Xylene	12.400	106	662163	109.492	ug/l	98
70) Styrene	12.412	104	1133372	114.394	ug/l	99
71) Bromoform	12.582	173	276975	102.062	ug/l #	98
73) Isopropylbenzene	12.694	105	1712639	97.781	ug/l	100
74) N-amyl acetate	12.494	43	598972	93.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	422778	82.158	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	402081m	83.356	ug/l	
77) Bromobenzene	12.982	156	405476	90.804	ug/l	99
78) n-propylbenzene	13.035	91	2011907	98.989	ug/l	100
79) 2-Chlorotoluene	13.129	91	1174875	92.737	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1452523	101.520	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	170761	94.255	ug/l	99
82) 4-Chlorotoluene	13.223	91	1180423	94.317	ug/l	100
83) tert-Butylbenzene	13.441	119	1244075	99.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1462945	101.367	ug/l	99
85) sec-Butylbenzene	13.617	105	1806222	103.288	ug/l	99
86) p-Isopropyltoluene	13.729	119	1546016	107.862	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	782504	93.757	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	772628	92.707	ug/l	99
89) n-Butylbenzene	14.059	91	1330345	106.156	ug/l	99
90) Hexachloroethane	14.335	117	282374	92.547	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	734844	90.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	91216	97.536	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	435100	102.249	ug/l	99
94) Hexachlorobutadiene	15.506	225	164691	89.783	ug/l	96
95) Naphthalene	15.641	128	1435082	105.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	423159	97.262	ug/l	97

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

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