

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030524\
 Data File : VN081304.D
 Acq On : 05 Mar 2024 12:00
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 06 03:00:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 01:47:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	340345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	604058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	561042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	274713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	490778	99.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 199.460%#			
35) Dibromofluoromethane	8.165	113	387144	104.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 209.220%#			
50) Toluene-d8	10.571	98	1453578	105.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.140%#			
62) 4-Bromofluorobenzene	12.853	95	542080	110.861	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 221.720%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	492731	109.213	ug/l	99
3) Chloromethane	2.359	50	438759	90.032	ug/l	98
4) Vinyl Chloride	2.512	62	479968	94.409	ug/l	95
5) Bromomethane	2.930	94	297561	87.635	ug/l	98
6) Chloroethane	3.106	64	322757	92.432	ug/l	98
7) Trichlorofluoromethane	3.489	101	733570	97.537	ug/l	94
8) Diethyl Ether	3.959	74	258538	97.572	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	408621	95.409	ug/l	92
10) Methyl Iodide	4.589	142	437598	111.652	ug/l	97
11) Tert butyl alcohol	5.524	59	385883	448.453	ug/l	100
12) 1,1-Dichloroethene	4.336	96	385497	97.193	ug/l	95
13) Acrolein	4.177	56	488221	479.161	ug/l	96
14) Allyl chloride	5.024	41	577357	98.086	ug/l #	89
15) Acrylonitrile	5.712	53	1060438	471.738	ug/l	97
16) Acetone	4.424	43	739581	424.184	ug/l	95
17) Carbon Disulfide	4.712	76	1086047	95.938	ug/l	97
18) Methyl Acetate	5.018	43	499398	100.042	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	1303929	96.932	ug/l	95
20) Methylene Chloride	5.271	84	428015	100.168	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	412175	92.173	ug/l	96
22) Diisopropyl ether	6.671	45	1321605	101.087	ug/l #	94
23) Vinyl Acetate	6.600	43	5421765	510.473	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	763201	95.363	ug/l	98
25) 2-Butanone	7.483	43	1337274	457.989	ug/l	96
26) 2,2-Dichloropropane	7.489	77	706741	99.917	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	475119	93.716	ug/l	91
28) Bromochloromethane	7.812	49	292145	85.312	ug/l #	70
29) Tetrahydrofuran	7.836	42	922634	463.387	ug/l #	88
30) Chloroform	7.965	83	803032	96.692	ug/l	98
31) Cyclohexane	8.259	56	696700	93.512	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	730103	99.456	ug/l	93
36) 1,1-Dichloropropene	8.371	75	613199	102.703	ug/l	96
37) Ethyl Acetate	7.559	43	572158	98.031	ug/l	100
38) Carbon Tetrachloride	8.365	117	632615	105.277	ug/l	97
39) Methylcyclohexane	9.606	83	747579	108.797	ug/l	87
40) Benzene	8.606	78	1770200	99.329	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	324154	98.348	ug/l	97
42) 1,2-Dichloroethane	8.671	62	627300	99.831	ug/l	100
43) Isopropyl Acetate	8.688	43	988823	96.796	ug/l	97
44) Trichloroethene	9.353	130	453083	100.802	ug/l	99
45) 1,2-Dichloropropane	9.624	63	442906	98.930	ug/l	98
46) Dibromomethane	9.712	93	316837	100.404	ug/l	93
47) Bromodichloromethane	9.888	83	647394	105.679	ug/l #	96
48) Methyl methacrylate	9.682	41	465354	103.057	ug/l	91
49) 1,4-Dioxane	9.700	88	193790	1947.120	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	3017470	508.707	ug/l	96
52) Toluene	10.629	92	1127907	104.769	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	730339	110.185	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	763192	106.660	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	435197	101.940	ug/l	94
56) Ethyl methacrylate	10.877	69	688952	112.387	ug/l	91
57) 1,3-Dichloropropane	11.165	76	759673	101.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1717209	520.757	ug/l #	89
59) 2-Hexanone	11.200	43	2270259	511.963	ug/l	96
60) Dibromochloromethane	11.359	129	470632	107.042	ug/l	99
61) 1,2-Dibromoethane	11.471	107	454840	102.682	ug/l	98
64) Tetrachloroethene	11.106	164	434989	99.020	ug/l	94
65) Chlorobenzene	11.894	112	1170455	99.002	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	433281	100.153	ug/l	97
67) Ethyl Benzene	11.965	91	2248262	105.570	ug/l	99
68) m/p-Xylenes	12.076	106	1690912	210.974	ug/l	98
69) o-Xylene	12.400	106	818857	105.420	ug/l	96
70) Styrene	12.412	104	1373664	111.595	ug/l	98
71) Bromoform	12.582	173	317926	105.853	ug/l #	97
73) Isopropylbenzene	12.700	105	2184599	98.481	ug/l	99
74) N-amyl acetate	12.494	43	936623	100.628	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	614133	89.708	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	589225m	88.568	ug/l	
77) Bromobenzene	12.982	156	466070	88.614	ug/l	82
78) n-propylbenzene	13.041	91	2693570	102.661	ug/l	98
79) 2-Chlorotoluene	13.129	91	1548366	96.545	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1859477	101.405	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	230500	99.140	ug/l #	79
82) 4-Chlorotoluene	13.223	91	1542272	97.360	ug/l	95
83) tert-Butylbenzene	13.441	119	1547477	98.435	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	1888629	101.656	ug/l	98
85) sec-Butylbenzene	13.618	105	2336398	102.730	ug/l	95
86) p-Isopropyltoluene	13.729	119	1954452	107.158	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	930191	93.663	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	933490	94.041	ug/l	97
89) n-Butylbenzene	14.059	91	1839789	109.995	ug/l	97
90) Hexachloroethane	14.335	117	339087	106.190	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	897344	94.175	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	139855	95.466	ug/l	82
93) 1,2,4-Trichlorobenzene	15.400	180	542764	106.566	ug/l	98
94) Hexachlorobutadiene	15.500	225	209056	99.335	ug/l	97
95) Naphthalene	15.641	128	1918548	105.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	536990	103.965	ug/l	98

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

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