

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030524\
 Data File : VN081306.D
 Acq On : 05 Mar 2024 12:48
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Mar 06 02:54:46 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	332864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	606156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	543516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97732	20.306	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.620%#		
35) Dibromofluoromethane	8.171	113	74813	20.145	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.300%#		
50) Toluene-d8	10.571	98	285313	20.552	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.100%#		
62) 4-Bromofluorobenzene	12.847	95	99474	20.273	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	40.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81317	18.429	ug/l	97
3) Chloromethane	2.359	50	89593	18.797	ug/l	95
4) Vinyl Chloride	2.512	62	96389	19.386	ug/l	90
5) Bromomethane	2.942	94	66168	19.925	ug/l	88
6) Chloroethane	3.112	64	64649	18.930	ug/l	99
7) Trichlorofluoromethane	3.495	101	147528	20.057	ug/l	94
8) Diethyl Ether	3.959	74	53838	20.775	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	83172	19.856	ug/l	91
10) Methyl Iodide	4.594	142	77361	20.182	ug/l	98
11) Tert butyl alcohol	5.518	59	85638	101.761	ug/l	98
12) 1,1-Dichloroethene	4.336	96	76920	19.829	ug/l	95
13) Acrolein	4.183	56	98953	99.299	ug/l	99
14) Allyl chloride	5.024	41	115321	20.032	ug/l #	90
15) Acrylonitrile	5.718	53	227846	103.636	ug/l	99
16) Acetone	4.430	43	167890	98.457	ug/l	94
17) Carbon Disulfide	4.706	76	217997	19.690	ug/l	98
18) Methyl Acetate	5.024	43	90086	18.452	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	267502	20.333	ug/l	95
20) Methylene Chloride	5.277	84	91015	21.133	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	85981	19.660	ug/l	93
22) Diisopropyl ether	6.671	45	275069	21.512	ug/l #	90
23) Vinyl Acetate	6.606	43	1130695	108.850	ug/l #	95
24) 1,1-Dichloroethane	6.565	63	158935	20.306	ug/l	97
25) 2-Butanone	7.488	43	292480	102.420	ug/l	92
26) 2,2-Dichloropropane	7.488	77	140507	20.311	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	97971	19.759	ug/l	91
28) Bromochloromethane	7.812	49	60619	18.100	ug/l #	64
29) Tetrahydrofuran	7.841	42	199578	102.490	ug/l #	88
30) Chloroform	7.971	83	167237	20.589	ug/l	97
31) Cyclohexane	8.259	56	145653	19.989	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	149705	20.851	ug/l	93
36) 1,1-Dichloropropene	8.371	75	123271	20.575	ug/l	96
37) Ethyl Acetate	7.559	43	122019	20.834	ug/l	97
38) Carbon Tetrachloride	8.359	117	127137	21.084	ug/l	96
39) Methylcyclohexane	9.600	83	140191	20.332	ug/l	88
40) Benzene	8.606	78	364394	20.376	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	63989	19.347	ug/l	93
42) 1,2-Dichloroethane	8.671	62	131358	20.833	ug/l	100
43) Isopropyl Acetate	8.688	43	204552	19.954	ug/l	96
44) Trichloroethene	9.353	130	94315	20.911	ug/l	100
45) 1,2-Dichloropropane	9.624	63	94215	20.972	ug/l	99
46) Dibromomethane	9.712	93	66215	20.911	ug/l	93
47) Bromodichloromethane	9.888	83	128398	20.887	ug/l #	95
48) Methyl methacrylate	9.682	41	92529	20.420	ug/l	90
49) 1,4-Dioxane	9.694	88	40122	401.734	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	630936	106.000	ug/l	96
52) Toluene	10.629	92	227698	21.077	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	136902	20.583	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	152827	21.284	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	87163	20.346	ug/l	98
56) Ethyl methacrylate	10.876	69	131093	21.311	ug/l	92
57) 1,3-Dichloropropane	11.165	76	153470	20.526	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	345949	104.549	ug/l #	90
59) 2-Hexanone	11.200	43	480453	107.971	ug/l	97
60) Dibromochloromethane	11.365	129	92942	21.066	ug/l	97
61) 1,2-Dibromoethane	11.470	107	93643	21.067	ug/l	98
64) Tetrachloroethene	11.106	164	87726	20.614	ug/l	90
65) Chlorobenzene	11.894	112	242605	21.182	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	87932	20.981	ug/l	98
67) Ethyl Benzene	11.965	91	428845	20.786	ug/l	96
68) m/p-Xylenes	12.076	106	328566	42.317	ug/l	98
69) o-Xylene	12.400	106	157724	20.960	ug/l	99
70) Styrene	12.412	104	260010	21.804	ug/l	97
71) Bromoform	12.582	173	59021	20.285	ug/l #	96
73) Isopropylbenzene	12.700	105	419991	21.021	ug/l	98
74) N-amyl acetate	12.494	43	175053	20.882	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	124828	20.245	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	120193m	20.059	ug/l	
77) Bromobenzene	12.982	156	93374	19.711	ug/l	81
78) n-propylbenzene	13.035	91	501181	21.208	ug/l	98
79) 2-Chlorotoluene	13.129	91	299620	20.743	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	352629	21.351	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	42773	20.426	ug/l #	86
82) 4-Chlorotoluene	13.223	91	296464	20.779	ug/l	97
83) tert-Butylbenzene	13.441	119	296113	20.913	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	360827	21.564	ug/l	98
85) sec-Butylbenzene	13.617	105	435655	21.268	ug/l	95
86) p-Isopropyltoluene	13.729	119	356855	21.724	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	175334	19.602	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	180499	20.189	ug/l	98
89) n-Butylbenzene	14.059	91	307465	20.410	ug/l	97
90) Hexachloroethane	14.335	117	60537	21.049	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	171822	20.021	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26736	20.263	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	95095	20.730	ug/l	98
94) Hexachlorobutadiene	15.506	225	38075	20.087	ug/l	95
95) Naphthalene	15.641	128	343718	21.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	94271	20.265	ug/l	99

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

