

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078891.D
 Acq On : 16 Aug 2023 09:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 01:11:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/17/2023
 Supervised By : Mahesh Dadoda 08/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	179938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	291110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	139363	49.773	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.540%		
35) Dibromofluoromethane	8.171	113	106367	50.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.120%		
50) Toluene-d8	10.571	98	417381	53.436	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.880%		
62) 4-Bromofluorobenzene	12.853	95	139398	54.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	106803	42.777	ug/l	98
3) Chloromethane	2.365	50	142002	40.736	ug/l	96
4) Vinyl Chloride	2.512	62	135876	44.446	ug/l	95
5) Bromomethane	2.942	94	83926	47.815	ug/l	94
6) Chloroethane	3.112	64	92370	43.221	ug/l	99
7) Trichlorofluoromethane	3.495	101	164164	44.088	ug/l	99
8) Diethyl Ether	3.965	74	63839	45.224	ug/l	62
9) 1,1,2-Trichlorotrifluo...	4.371	101	91340	46.058	ug/l	99
10) Methyl Iodide	4.589	142	98395	44.346	ug/l	99
11) Tert butyl alcohol	5.524	59	100698	214.323	ug/l	99
12) 1,1-Dichloroethene	4.342	96	85449	44.233	ug/l	86
13) Acrolein	4.177	56	57355	220.128	ug/l	98
14) Allyl chloride	5.024	41	178163	46.339	ug/l #	88
15) Acrylonitrile	5.724	53	285432	224.250	ug/l	98
16) Acetone	4.436	43	266162	230.380	ug/l #	88
17) Carbon Disulfide	4.712	76	233983	43.271	ug/l	97
18) Methyl Acetate	5.030	43	214730	43.997	ug/l #	80
19) Methyl tert-butyl Ether	5.800	73	320735	46.092	ug/l	93
20) Methylene Chloride	5.277	84	109637	44.531	ug/l #	76
21) trans-1,2-Dichloroethene	5.789	96	99563	45.962	ug/l	91
22) Diisopropyl ether	6.677	45	380452	46.775	ug/l #	88
23) Vinyl Acetate	6.612	43	1227683	229.235	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	205312	46.206	ug/l	98
25) 2-Butanone	7.489	43	414287	223.662	ug/l #	78
26) 2,2-Dichloropropane	7.489	77	163459	45.510	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	117483	44.621	ug/l	82
28) Bromochloromethane	7.818	49	120179	50.986	ug/l #	69
29) Tetrahydrofuran	7.841	42	285038	232.490	ug/l #	70
30) Chloroform	7.971	83	209253	47.137	ug/l	97
31) Cyclohexane	8.265	56	164619	46.984	ug/l #	80
32) 1,1,1-Trichloroethane	8.177	97	177006	46.763	ug/l #	94
36) 1,1-Dichloropropene	8.377	75	155701	49.205	ug/l	94
37) Ethyl Acetate	7.565	43	176241	49.779	ug/l #	88
38) Carbon Tetrachloride	8.365	117	151599	47.814	ug/l	98
39) Methylcyclohexane	9.606	83	136389	46.865	ug/l #	86
40) Benzene	8.612	78	452708	48.402	ug/l	98

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41) Methacrylonitrile	7.789	41	88690	45.995	ug/l #	79
42) 1,2-Dichloroethane	8.671	62	165601	47.392	ug/l	98
43) Isopropyl Acetate	8.694	43	281362	44.962	ug/l #	87
44) Trichloroethene	9.353	130	104008	46.800	ug/l	100
45) 1,2-Dichloropropane	9.624	63	121393	48.748	ug/l	99
46) Dibromomethane	9.712	93	81930	47.968	ug/l	98
47) Bromodichloromethane	9.888	83	164829	48.871	ug/l	95
48) Methyl methacrylate	9.688	41	134799	47.537	ug/l #	75
49) 1,4-Dioxane	9.700	88	44999	931.652	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	890207	239.852	ug/l #	85
52) Toluene	10.635	92	281337	48.992	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	181154	50.085	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	189371	48.073	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	112846	49.010	ug/l	96
56) Ethyl methacrylate	10.877	69	177616	49.763	ug/l #	73
57) 1,3-Dichloropropane	11.171	76	198595	48.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	428153	249.899	ug/l #	88
59) 2-Hexanone	11.200	43	650642	242.034	ug/l	83
60) Dibromochloromethane	11.365	129	122591m	50.596	ug/l	
61) 1,2-Dibromoethane	11.477	107	111112	47.487	ug/l	100
64) Tetrachloroethene	11.106	164	79520	43.558	ug/l	98
65) Chlorobenzene	11.894	112	292682	47.232	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	109251	46.652	ug/l	98
67) Ethyl Benzene	11.965	91	529812	47.016	ug/l	97
68) m/p-Xylenes	12.077	106	407428	96.703	ug/l	98
69) o-Xylene	12.400	106	197136	48.100	ug/l	96
70) Styrene	12.418	104	335595	49.107	ug/l	98
71) Bromoform	12.582	173	82715	48.584	ug/l #	99
73) Isopropylbenzene	12.700	105	490051	45.156	ug/l	100
74) N-amyl acetate	12.500	43	243024	44.364	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	174187	44.452	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	156622m	49.942	ug/l	
77) Bromobenzene	12.982	156	117812	45.163	ug/l	96
78) n-propylbenzene	13.041	91	586156	46.578	ug/l	97
79) 2-Chlorotoluene	13.129	91	354427	45.402	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	402120	46.757	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	55341	45.079	ug/l #	79
82) 4-Chlorotoluene	13.224	91	349739	45.787	ug/l	99
83) tert-Butylbenzene	13.441	119	329936	45.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	403037	47.329	ug/l	98
85) sec-Butylbenzene	13.618	105	455057	45.760	ug/l	100
86) p-Isopropyltoluene	13.735	119	376755	47.420	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	210455	46.885	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	212323	47.258	ug/l	98
89) n-Butylbenzene	14.059	91	308808	47.230	ug/l	98
90) Hexachloroethane	14.335	117	72619	45.597	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	207541	46.493	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30700	47.127	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	72391	45.745	ug/l	98
94) Hexachlorobutadiene	15.506	225	33948	39.887	ug/l	98
95) Naphthalene	15.647	128	241758	40.807	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	78169	45.101	ug/l	97

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

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