

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079461.D
 Acq On : 09 Oct 2023 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2023
 Supervised By : Mahesh Dadoda 10/10/2023

Quant Time: Oct 09 23:10:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	247190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	428232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	390957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	200224	49.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.920%		
35) Dibromofluoromethane	8.171	113	156833	50.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.920%		
50) Toluene-d8	10.570	98	590668	53.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.100%		
62) 4-Bromofluorobenzene	12.853	95	191736	53.656	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	172734	48.766	ug/l	99
3) Chloromethane	2.365	50	187719	42.473	ug/l	98
4) Vinyl Chloride	2.518	62	212913	46.314	ug/l	97
5) Bromomethane	2.942	94	120215	43.682	ug/l	97
6) Chloroethane	3.118	64	142988	41.256	ug/l	98
7) Trichlorofluoromethane	3.494	101	252732	46.562	ug/l	100
8) Diethyl Ether	3.959	74	94704	48.941	ug/l	63
9) 1,1,2-Trichlorotrifluo...	4.377	101	142072	44.790	ug/l	99
10) Methyl Iodide	4.589	142	162940	59.198	ug/l	99
11) Tert butyl alcohol	5.524	59	112410	186.346	ug/l	96
12) 1,1-Dichloroethene	4.341	96	136460	46.724	ug/l	87
13) Acrolein	4.177	56	132364	220.366	ug/l	100
14) Allyl chloride	5.030	41	239835	50.887	ug/l #	90
15) Acrylonitrile	5.724	53	400646	229.088	ug/l	99
16) Acetone	4.424	43	393205	247.345	ug/l	94
17) Carbon Disulfide	4.712	76	412166	45.243	ug/l	99
18) Methyl Acetate	5.024	43	325056	41.777	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	475715	50.131	ug/l	94
20) Methylene Chloride	5.277	84	164986	47.362	ug/l #	83
21) trans-1,2-Dichloroethene	5.788	96	152996	44.852	ug/l #	77
22) Diisopropyl ether	6.671	45	526482	49.816	ug/l #	92
23) Vinyl Acetate	6.606	43	1518895	255.502	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	299804	46.352	ug/l	97
25) 2-Butanone	7.488	43	541631	229.557	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	248809	50.336	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	179078	48.324	ug/l	86
28) Bromochloromethane	7.818	49	152803	49.652	ug/l #	75
29) Tetrahydrofuran	7.841	42	340441	223.098	ug/l #	76
30) Chloroform	7.971	83	308220	47.164	ug/l	93
31) Cyclohexane	8.259	56	251711	44.275	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	259127	47.117	ug/l	96
36) 1,1-Dichloropropene	8.371	75	233533	50.562	ug/l	93
37) Ethyl Acetate	7.565	43	221482	48.191	ug/l #	89
38) Carbon Tetrachloride	8.365	117	225425	48.752	ug/l	99
39) Methylcyclohexane	9.606	83	233788	52.684	ug/l	89
40) Benzene	8.612	78	672272	49.010	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	121219	50.170	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	242625	48.678	ug/l	97
43) Isopropyl Acetate	8.694	43	376046	46.704	ug/l #	88
44) Trichloroethene	9.353	130	157556	48.801	ug/l	93
45) 1,2-Dichloropropane	9.623	63	177374	49.078	ug/l	96
46) Dibromomethane	9.712	93	118498	50.625	ug/l	95
47) Bromodichloromethane	9.894	83	245776	51.045	ug/l	99
48) Methyl methacrylate	9.682	41	166686	48.310	ug/l #	83
49) 1,4-Dioxane	9.700	88	59539	936.832	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1084703	238.647	ug/l	90
52) Toluene	10.635	92	414328	51.314	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	259237	53.426	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	277512	52.245	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	163624	50.477	ug/l	95
56) Ethyl methacrylate	10.876	69	238426	53.527	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	288547	51.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	493076	289.048	ug/l	89
59) 2-Hexanone	11.200	43	798757	243.534	ug/l	88
60) Dibromochloromethane	11.365	129	172561	52.968	ug/l	99
61) 1,2-Dibromoethane	11.470	107	160522	49.899	ug/l	97
64) Tetrachloroethene	11.106	164	123587	45.952	ug/l	97
65) Chlorobenzene	11.894	112	422922	48.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	158946	49.859	ug/l	98
67) Ethyl Benzene	11.965	91	782460	51.705	ug/l	97
68) m/p-Xylenes	12.076	106	588430	107.015	ug/l	94
69) o-Xylene	12.400	106	279226	51.636	ug/l	91
70) Styrene	12.417	104	476733	55.814	ug/l	99
71) Bromoform	12.582	173	112872	48.377	ug/l #	100
73) Isopropylbenzene	12.700	105	730962	46.313	ug/l	99
74) N-amyl acetate	12.500	43	297736	46.015	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	236662	46.368	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	207374m	42.395	ug/l	
77) Bromobenzene	12.982	156	166019	42.899	ug/l	95
78) n-propylbenzene	13.041	91	876651	49.093	ug/l	97
79) 2-Chlorotoluene	13.129	91	519413	45.456	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	611425	49.128	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	74102	43.956	ug/l	86
82) 4-Chlorotoluene	13.223	91	505604	46.499	ug/l	99
83) tert-Butylbenzene	13.441	119	487995	47.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	603945	50.849	ug/l	99
85) sec-Butylbenzene	13.617	105	715790	50.327	ug/l	99
86) p-Isopropyltoluene	13.735	119	579756	53.135	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	296906	48.371	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	289985	45.754	ug/l	99
89) n-Butylbenzene	14.058	91	474798	54.493	ug/l	99
90) Hexachloroethane	14.335	117	111746	50.456	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	284482	47.515	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36829	40.354	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	97143	52.387	ug/l	97
94) Hexachlorobutadiene	15.505	225	66696	46.181	ug/l	98
95) Naphthalene	15.647	128	254824	45.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	106232	48.007	ug/l	98

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

