

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079813.D
 Acq On : 02 Nov 2023 21:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2023
 Supervised By : Mahesh Dadoda 11/03/2023

Quant Time: Nov 03 04:08:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	287456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	504213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	469091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240256	54.859	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.720%			
35) Dibromofluoromethane	8.171	113	183415	51.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.571	98	712062	54.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.400%			
62) 4-Bromofluorobenzene	12.853	95	247904	56.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	191976	55.445	ug/l	99
3) Chloromethane	2.359	50	224602	52.268	ug/l	97
4) Vinyl Chloride	2.512	62	244422	53.928	ug/l	99
5) Bromomethane	2.948	94	154121	55.966	ug/l	94
6) Chloroethane	3.112	64	173679	48.497	ug/l	97
7) Trichlorofluoromethane	3.495	101	294894	52.312	ug/l	97
8) Diethyl Ether	3.959	74	113563	53.086	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.365	101	171155	52.375	ug/l	98
10) Methyl Iodide	4.595	142	193456	51.839	ug/l	94
11) Tert butyl alcohol	5.524	59	134560	240.690	ug/l	99
12) 1,1-Dichloroethene	4.342	96	164586	53.193	ug/l #	82
13) Acrolein	4.177	56	134852	329.126	ug/l	97
14) Allyl chloride	5.018	41	264805	55.877	ug/l #	90
15) Acrylonitrile	5.718	53	482382	276.877	ug/l	98
16) Acetone	4.424	43	404867	263.185	ug/l	91
17) Carbon Disulfide	4.712	76	451702	50.611	ug/l	99
18) Methyl Acetate	5.024	43	400503	54.417	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	581872	54.622	ug/l	95
20) Methylene Chloride	5.277	84	204264	52.623	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	185864	53.860	ug/l #	77
22) Diisopropyl ether	6.671	45	657597	59.877	ug/l #	90
23) Vinyl Acetate	6.606	43	1777190	293.368	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	383265	57.417	ug/l	97
25) 2-Butanone	7.483	43	648620	287.933	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	280526	50.815	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	222468	53.894	ug/l	85
28) Bromochloromethane	7.812	49	182207	56.011	ug/l #	74
29) Tetrahydrofuran	7.841	42	438166	298.963	ug/l #	74
30) Chloroform	7.971	83	392982	54.198	ug/l	96
31) Cyclohexane	8.259	56	311787	53.876	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	333914	56.519	ug/l	94
36) 1,1-Dichloropropene	8.377	75	289682	56.852	ug/l	94
37) Ethyl Acetate	7.565	43	269836	57.743	ug/l #	93
38) Carbon Tetrachloride	8.365	117	288922	56.263	ug/l	98
39) Methylcyclohexane	9.606	83	275122	57.374	ug/l #	88
40) Benzene	8.606	78	846286	55.453	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	148644	59.901	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	309881	58.129	ug/l	97
43) Isopropyl Acetate	8.688	43	448335	54.707	ug/l #	91
44) Trichloroethene	9.353	130	202513	53.475	ug/l	100
45) 1,2-Dichloropropane	9.624	63	230702	59.152	ug/l	96
46) Dibromomethane	9.712	93	147521	55.395	ug/l	94
47) Bromodichloromethane	9.888	83	310827	54.728	ug/l	98
48) Methyl methacrylate	9.682	41	216357	60.274	ug/l #	82
49) 1,4-Dioxane	9.694	88	66903	1054.793	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1405405	304.609	ug/l	89
52) Toluene	10.635	92	523436	57.853	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	322492	57.922	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	345413	56.917	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	204853	56.292	ug/l	91
56) Ethyl methacrylate	10.876	69	308431	59.419	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	366333	57.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	748036	284.328	ug/l	89
59) 2-Hexanone	11.200	43	1014936	287.554	ug/l	87
60) Dibromochloromethane	11.365	129	224477	57.627	ug/l	99
61) 1,2-Dibromoethane	11.471	107	203299	55.660	ug/l	98
64) Tetrachloroethene	11.106	164	166444	54.786	ug/l	98
65) Chlorobenzene	11.894	112	546604	53.718	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	204528	55.788	ug/l	98
67) Ethyl Benzene	11.965	91	1004121	56.639	ug/l	96
68) m/p-Xylenes	12.076	106	754763	114.287	ug/l	96
69) o-Xylene	12.400	106	358324	56.346	ug/l	91
70) Styrene	12.412	104	613148	59.995	ug/l	97
71) Bromoform	12.582	173	146671	56.341	ug/l #	100
73) Isopropylbenzene	12.700	105	910255	54.513	ug/l	99
74) N-amyl acetate	12.500	43	394766	54.163	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	305989	51.684	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	269255m	52.127	ug/l	
77) Bromobenzene	12.982	156	218565	53.463	ug/l	95
78) n-propylbenzene	13.041	91	1094371	57.231	ug/l	97
79) 2-Chlorotoluene	13.129	91	660749	54.091	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	750649	57.780	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	92207	48.568	ug/l	87
82) 4-Chlorotoluene	13.223	91	665732	54.843	ug/l	99
83) tert-Butylbenzene	13.441	119	610478	57.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	753435	58.945	ug/l	100
85) sec-Butylbenzene	13.617	105	858338	58.258	ug/l	100
86) p-Isopropyltoluene	13.735	119	705070	58.696	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	398691	52.424	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	399766	51.787	ug/l	99
89) n-Butylbenzene	14.059	91	604564	58.434	ug/l	99
90) Hexachloroethane	14.335	117	133324	56.043	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	386556	53.844	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	53713	53.499	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	184049	53.916	ug/l	96
94) Hexachlorobutadiene	15.506	225	85096	54.990	ug/l	100
95) Naphthalene	15.641	128	604523	52.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	183173	54.741	ug/l	98

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

