

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032824\
 Data File : VN081595.D
 Acq On : 28 Mar 2024 10:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2024
 Supervised By : Mahesh Dadoda 03/29/2024

Quant Time: Mar 29 02:42:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	375280	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	628564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	565509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	288011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	245535	51.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.165	113	218830	55.164	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.320%			
50) Toluene-d8	10.565	98	756093	52.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.853	95	266676	52.778	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	228063	45.133	ug/l	96
3) Chloromethane	2.359	50	231554	46.024	ug/l	92
4) Vinyl Chloride	2.518	62	272132	48.197	ug/l	93
5) Bromomethane	2.953	94	193289	48.405	ug/l	94
6) Chloroethane	3.124	64	200939	51.832	ug/l	95
7) Trichlorofluoromethane	3.500	101	428428	50.913	ug/l	94
8) Diethyl Ether	3.959	74	144268	51.804	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	250210	52.330	ug/l	# 89
10) Methyl Iodide	4.589	142	263097	55.255	ug/l	98
11) Tert butyl alcohol	5.524	59	212317	254.572	ug/l	99
12) 1,1-Dichloroethene	4.342	96	222562	50.252	ug/l	86
13) Acrolein	4.177	56	166116	221.967	ug/l	98
14) Allyl chloride	5.018	41	276301	49.787	ug/l	# 84
15) Acrylonitrile	5.718	53	546964	245.143	ug/l	98
16) Acetone	4.430	43	348979	225.634	ug/l	99
17) Carbon Disulfide	4.712	76	553929	43.584	ug/l	99
18) Methyl Acetate	5.018	43	265512	55.682	ug/l	# 88
19) Methyl tert-butyl Ether	5.794	73	763306	55.070	ug/l	97
20) Methylene Chloride	5.277	84	261258	51.567	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	252454	51.123	ug/l	91
22) Diisopropyl ether	6.671	45	734182	56.936	ug/l	# 90
23) Vinyl Acetate	6.600	43	2719910	264.994	ug/l	# 89
24) 1,1-Dichloroethane	6.571	63	457314	52.950	ug/l	95
25) 2-Butanone	7.482	43	640744	241.531	ug/l	# 87
26) 2,2-Dichloropropane	7.488	77	426347	56.915	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	305961	54.760	ug/l	84
28) Bromochloromethane	7.812	49	166328	47.282	ug/l	# 52
29) Tetrahydrofuran	7.841	42	440852	246.681	ug/l	# 78
30) Chloroform	7.965	83	518101	56.036	ug/l	98
31) Cyclohexane	8.259	56	364360	46.786	ug/l	# 69
32) 1,1,1-Trichloroethane	8.171	97	459244	54.747	ug/l	92
36) 1,1-Dichloropropene	8.371	75	357410	53.538	ug/l	94
37) Ethyl Acetate	7.559	43	283464	49.587	ug/l	96
38) Carbon Tetrachloride	8.359	117	393027	53.743	ug/l	95
39) Methylcyclohexane	9.600	83	400564	53.730	ug/l	# 83
40) Benzene	8.606	78	1091335	55.917	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	157537	52.111	ug/l	88
42) 1,2-Dichloroethane	8.671	62	369653	53.818	ug/l	96
43) Isopropyl Acetate	8.688	43	501897	52.967	ug/l #	91
44) Trichloroethene	9.353	130	298198	54.324	ug/l	94
45) 1,2-Dichloropropane	9.624	63	275687	58.284	ug/l	98
46) Dibromomethane	9.706	93	201938	56.217	ug/l #	88
47) Bromodichloromethane	9.888	83	413102	58.820	ug/l #	98
48) Methyl methacrylate	9.682	41	226090	51.730	ug/l #	82
49) 1,4-Dioxane	9.694	88	95463	908.901	ug/l #	68
51) 4-Methyl-2-Pentanone	10.447	43	1482215	256.350	ug/l	92
52) Toluene	10.629	92	700010	56.430	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	428364	56.485	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	459380	56.498	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	283446	56.777	ug/l	92
56) Ethyl methacrylate	10.876	69	376983	50.652	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	461026	56.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	909160	289.424	ug/l #	84
59) 2-Hexanone	11.194	43	1062112	248.455	ug/l	90
60) Dibromochloromethane	11.359	129	311234	56.688	ug/l	99
61) 1,2-Dibromoethane	11.470	107	282129	55.431	ug/l	97
64) Tetrachloroethene	11.106	164	301891	55.848	ug/l	92
65) Chlorobenzene	11.894	112	734765	54.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	291500	58.832	ug/l	97
67) Ethyl Benzene	11.965	91	1309452	56.388	ug/l	99
68) m/p-Xylenes	12.070	106	1028736	118.169	ug/l	94
69) o-Xylene	12.400	106	492986	57.682	ug/l	92
70) Styrene	12.412	104	836892	60.715	ug/l	94
71) Bromoform	12.576	173	205895	55.299	ug/l #	95
73) Isopropylbenzene	12.694	105	1297946	52.869	ug/l	97
74) N-amyl acetate	12.494	43	422621	47.569	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.935	83	341122	47.259	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	315993m	45.867	ug/l	
77) Bromobenzene	12.982	156	303797	50.093	ug/l	70
78) n-propylbenzene	13.035	91	1554559	53.619	ug/l	96
79) 2-Chlorotoluene	13.123	91	898690	51.790	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	1103123	54.402	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	129796	50.912	ug/l	98
82) 4-Chlorotoluene	13.223	91	905347	52.920	ug/l	93
83) tert-Butylbenzene	13.441	119	916739	52.427	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	1112906	54.607	ug/l	94
85) sec-Butylbenzene	13.617	105	1357855	54.321	ug/l	94
86) p-Isopropyltoluene	13.729	119	1130230	55.313	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	591015	53.041	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	595534	51.617	ug/l	96
89) n-Butylbenzene	14.059	91	989988	54.638	ug/l	97
90) Hexachloroethane	14.335	117	205631	53.138	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	583001	54.361	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.717	75	72700	47.326	ug/l	64
93) 1,2,4-Trichlorobenzene	15.394	180	334888	54.005	ug/l	98
94) Hexachlorobutadiene	15.500	225	136298	50.095	ug/l	96
95) Naphthalene	15.641	128	1099472	54.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	341557	54.759	ug/l	98

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

