

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081607.D
 Acq On : 29 Mar 2024 11:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 30 00:25:25 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2024
 Supervised By : Mahesh Dadoda 04/01/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	349455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	601884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	560315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	273150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	233601	52.418	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	8.165	113	211590	55.704	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.400%			
50) Toluene-d8	10.565	98	733722	53.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.847	95	266129	55.004	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	204808	43.526	ug/l	100
3) Chloromethane	2.359	50	210580	44.949	ug/l	97
4) Vinyl Chloride	2.518	62	249238	47.404	ug/l	94
5) Bromomethane	2.948	94	179500	48.274	ug/l	94
6) Chloroethane	3.118	64	183785	50.911	ug/l	92
7) Trichlorofluoromethane	3.495	101	390735	49.865	ug/l	91
8) Diethyl Ether	3.959	74	134805	51.983	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.371	101	221799	49.816	ug/l	90
10) Methyl Iodide	4.595	142	250426	56.480	ug/l	99
11) Tert butyl alcohol	5.512	59	206744	266.209	ug/l	99
12) 1,1-Dichloroethene	4.342	96	200210	48.546	ug/l	87
13) Acrolein	4.177	56	173982	249.658	ug/l	100
14) Allyl chloride	5.024	41	255587	49.458	ug/l #	83
15) Acrylonitrile	5.718	53	537604	258.754	ug/l	98
16) Acetone	4.418	43	348712	242.123	ug/l	91
17) Carbon Disulfide	4.712	76	509726	43.070	ug/l	100
18) Methyl Acetate	5.018	43	251362	56.610	ug/l #	85
19) Methyl tert-butyl Ether	5.789	73	728259	56.424	ug/l	97
20) Methylene Chloride	5.271	84	257165	54.510	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	237840	51.723	ug/l	82
22) Diisopropyl ether	6.671	45	686826	57.200	ug/l #	89
23) Vinyl Acetate	6.600	43	2581340	270.079	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	439005	54.586	ug/l #	93
25) 2-Butanone	7.477	43	628381	254.376	ug/l #	88
26) 2,2-Dichloropropane	7.488	77	390782	56.023	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	291857	56.096	ug/l	84
28) Bromochloromethane	7.812	49	181043	55.268	ug/l #	51
29) Tetrahydrofuran	7.836	42	428420	257.441	ug/l #	79
30) Chloroform	7.965	83	498160	57.861	ug/l	98
31) Cyclohexane	8.253	56	317605	43.796	ug/l #	77
32) 1,1,1-Trichloroethane	8.165	97	419357	53.687	ug/l #	92
36) 1,1-Dichloropropene	8.371	75	324095	50.700	ug/l	96
37) Ethyl Acetate	7.559	43	270919	49.493	ug/l	96
38) Carbon Tetrachloride	8.365	117	364770	52.090	ug/l	97
39) Methylcyclohexane	9.600	83	353082	49.460	ug/l	86
40) Benzene	8.606	78	1028875	55.053	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	143349	49.520	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	349460	53.134	ug/l	96
43) Isopropyl Acetate	8.688	43	464363	51.178	ug/l #	90
44) Trichloroethene	9.353	130	275224	52.361	ug/l	90
45) 1,2-Dichloropropane	9.624	63	258667	57.110	ug/l	98
46) Dibromomethane	9.712	93	196536	57.139	ug/l #	88
47) Bromodichloromethane	9.888	83	397640	59.128	ug/l #	99
48) Methyl methacrylate	9.682	41	220744	52.746	ug/l #	84
49) 1,4-Dioxane	9.694	88	96240	956.916	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1454694	262.743	ug/l	92
52) Toluene	10.629	92	653311	55.000	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	402192	55.385	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	435647	55.954	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	277826	58.118	ug/l	93
56) Ethyl methacrylate	10.877	69	363501	50.969	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	449460	57.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	894491	297.377	ug/l #	83
59) 2-Hexanone	11.194	43	1057216	258.273	ug/l	91
60) Dibromochloromethane	11.359	129	312631	59.466	ug/l	97
61) 1,2-Dibromoethane	11.471	107	269488	55.294	ug/l	95
64) Tetrachloroethene	11.106	164	281912	52.636	ug/l	89
65) Chlorobenzene	11.888	112	710814	53.663	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	283079	57.662	ug/l	96
67) Ethyl Benzene	11.965	91	1241485	53.957	ug/l	96
68) m/p-Xylenes	12.071	106	971895	112.674	ug/l	94
69) o-Xylene	12.400	106	470594	55.573	ug/l	93
70) Styrene	12.412	104	798803	58.489	ug/l	95
71) Bromoform	12.582	173	205123	55.603	ug/l #	96
73) Isopropylbenzene	12.694	105	1215567	52.207	ug/l	97
74) N-amyl acetate	12.494	43	420925	49.955	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	344025	50.254	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	316116m	48.381	ug/l	
77) Bromobenzene	12.982	156	293275	50.989	ug/l	71
78) n-propylbenzene	13.035	91	1452399	52.821	ug/l	94
79) 2-Chlorotoluene	13.123	91	861418	52.343	ug/l	91
80) 1,3,5-Trimethylbenzene	13.170	105	1047247	54.456	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.741	75	123768	51.189	ug/l	97
82) 4-Chlorotoluene	13.223	91	871383	53.705	ug/l	93
83) tert-Butylbenzene	13.441	119	881582	53.160	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	1066344	55.169	ug/l	96
85) sec-Butylbenzene	13.618	105	1268067	53.489	ug/l	93
86) p-Isopropyltoluene	13.729	119	1063015	54.854	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	555900	52.604	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	561723	51.335	ug/l	96
89) n-Butylbenzene	14.059	91	906033	52.725	ug/l	97
90) Hexachloroethane	14.335	117	192723	52.512	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	545968	53.678	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70832	48.618	ug/l	71
93) 1,2,4-Trichlorobenzene	15.394	180	296674	50.445	ug/l	97
94) Hexachlorobutadiene	15.500	225	119442	46.288	ug/l	99
95) Naphthalene	15.641	128	1003587	52.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	307178	51.927	ug/l	99

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

