

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081843.D
 Acq On : 25 Apr 2024 11:19
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 04:57:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 04:43:00 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	233936	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	441990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	80624	20.420	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	40.840%#
35) Dibromofluoromethane	8.165	113	53482	20.097	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	40.200%#
50) Toluene-d8	10.565	98	216936	20.756	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	41.520%#
62) 4-Bromofluorobenzene	12.847	95	83954	20.320	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	40.640%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	60957	18.562	ug/l	94
3) Chloromethane	2.359	50	65310	19.064	ug/l	95
4) Vinyl Chloride	2.512	62	62605	20.188	ug/l	99
5) Bromomethane	2.947	94	31656	21.041	ug/l	84
6) Chloroethane	3.112	64	29628	18.903	ug/l	# 88
7) Trichlorofluoromethane	3.500	101	98173	20.465	ug/l	98
8) Diethyl Ether	3.953	74	42104	20.662	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	55887	20.066	ug/l	95
10) Methyl Iodide	4.589	142	48669	19.951	ug/l	99
11) Tert butyl alcohol	5.512	59	72829	101.468	ug/l	# 89
12) 1,1-Dichloroethene	4.341	96	61849	21.829	ug/l	94
13) Acrolein	4.177	56	54873	93.417	ug/l	97
14) Allyl chloride	5.018	41	118304	19.739	ug/l	# 85
15) Acrylonitrile	5.718	53	173693	100.779	ug/l	98
16) Acetone	4.424	43	122463	101.676	ug/l	99
17) Carbon Disulfide	4.706	76	172010	20.198	ug/l	99
18) Methyl Acetate	5.018	43	79310	19.832	ug/l	# 89
19) Methyl tert-butyl Ether	5.794	73	220543	20.628	ug/l	95
20) Methylene Chloride	5.283	84	67387	19.916	ug/l	# 81
21) trans-1,2-Dichloroethene	5.783	96	60698	19.648	ug/l	# 84
22) Diisopropyl ether	6.671	45	240581	20.744	ug/l	# 91
23) Vinyl Acetate	6.600	43	966429	102.560	ug/l	94
24) 1,1-Dichloroethane	6.565	63	125493	20.790	ug/l	97
25) 2-Butanone	7.482	43	223686	99.819	ug/l	# 86
26) 2,2-Dichloropropane	7.488	77	113295	20.403	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	73709	20.418	ug/l	83
28) Bromochloromethane	7.818	49	55997	19.518	ug/l	# 76
29) Tetrahydrofuran	7.835	42	161838	100.709	ug/l	87
30) Chloroform	7.965	83	118790	19.854	ug/l	99
31) Cyclohexane	8.253	56	114394	19.233	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	108521	20.338	ug/l	# 90
36) 1,1-Dichloropropene	8.371	75	89532	20.680	ug/l	97
37) Ethyl Acetate	7.559	43	99773	21.315	ug/l	98
38) Carbon Tetrachloride	8.365	117	88899	21.010	ug/l	96
39) Methylcyclohexane	9.600	83	108433	20.623	ug/l	88
40) Benzene	8.606	78	278842	21.455	ug/l	95

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 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	57796	19.350	ug/l	91
42) 1,2-Dichloroethane	8.671	62	97556	20.215	ug/l	100
43) Isopropyl Acetate	8.688	43	177493	20.166	ug/l	94
44) Trichloroethene	9.353	130	62182	20.752	ug/l	95
45) 1,2-Dichloropropane	9.623	63	69606	20.464	ug/l	93
46) Dibromomethane	9.712	93	45977	19.557	ug/l	92
47) Bromodichloromethane	9.888	83	98374	19.842	ug/l #	98
48) Methyl methacrylate	9.682	41	84456	20.100	ug/l #	87
49) 1,4-Dioxane	9.700	88	25831	404.479	ug/l #	70
51) 4-Methyl-2-Pentanone	10.441	43	502042	101.325	ug/l	93
52) Toluene	10.629	92	162293	20.852	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	112417	20.838	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	117091	21.059	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	59697	19.503	ug/l	94
56) Ethyl methacrylate	10.876	69	119597	20.519	ug/l #	88
57) 1,3-Dichloropropane	11.165	76	114725	21.082	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	273162	102.877	ug/l	92
59) 2-Hexanone	11.194	43	382275	103.672	ug/l	94
60) Dibromochloromethane	11.359	129	68253	21.052	ug/l	99
61) 1,2-Dibromoethane	11.470	107	61684	21.073	ug/l	97
64) Tetrachloroethene	11.106	164	56690	20.782	ug/l	96
65) Chlorobenzene	11.894	112	165182	20.139	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	57928	21.731	ug/l	97
67) Ethyl Benzene	11.965	91	311078	20.394	ug/l	99
68) m/p-Xylenes	12.070	106	233894	42.988	ug/l	92
69) o-Xylene	12.400	106	114482	21.552	ug/l	88
70) Styrene	12.412	104	195776	21.305	ug/l	93
71) Bromoform	12.576	173	43540	20.776	ug/l #	91
73) Isopropylbenzene	12.694	105	292370	20.840	ug/l	98
74) N-amyl acetate	12.494	43	158937	20.348	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	83508	19.821	ug/l	94
76) 1,2,3-Trichloropropane	13.000	75	81202m	19.806	ug/l	
77) Bromobenzene	12.982	156	59120	20.137	ug/l	62
78) n-propylbenzene	13.035	91	353075	20.719	ug/l	95
79) 2-Chlorotoluene	13.123	91	216950	20.010	ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	244032	20.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	38978	19.522	ug/l #	81
82) 4-Chlorotoluene	13.223	91	218659	20.773	ug/l	91
83) tert-Butylbenzene	13.441	119	203454	20.579	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	245612	20.717	ug/l	94
85) sec-Butylbenzene	13.617	105	287999	20.680	ug/l	97
86) p-Isopropyltoluene	13.729	119	237584	21.247	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	112348	20.509	ug/l	95
88) 1,4-Dichlorobenzene	13.811	146	114158	21.162	ug/l	95
89) n-Butylbenzene	14.059	91	212039	20.372	ug/l	97
90) Hexachloroethane	14.335	117	46525	21.151	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	106070	20.199	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.723	75	20508	19.994	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	61068	20.786	ug/l	99
94) Hexachlorobutadiene	15.500	225	22649	20.916	ug/l	93
95) Naphthalene	15.641	128	231472	20.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	59769	21.189	ug/l	95

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

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

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